

SERVICE MANUAL

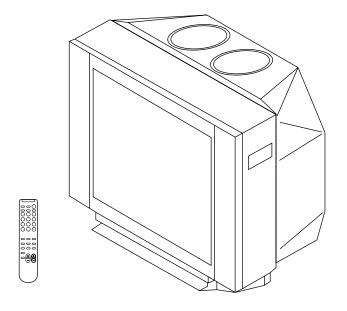
BG-3Schassis

MODEL COMMANDER DEST. CHASSIS NO.

MODEL

COMMANDER DEST. CHASSIS NO.

KV-XF25M30 RM-954 Australia SCC-U23A-A KV-XF25M50 RM-954 Thailand SCC-U18D-A KV-XF25M50 RM-954 SCC-U20L-A Indonesia KV-XF25M63 RM-954 Thailand SCC-U18C-A KV-XF25M65 RM-954 Indonesia SCC-U20D-A KV-XF25M65 RM-954 Indonesia SCC-U20M-A KV-XF25M90 RM-954 ISR SCC-U19B-A









SERVICE MANUAL

BG-3Schassis

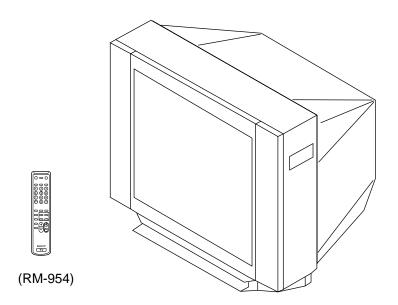
MODEL

COMMANDER DEST. CHASSIS NO.

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COMMANDER DEST. CHASSIS NO.

KV-XF25M50 RM-954 India SCC-U22S-A **KV-XF25M80** RM-954 India SCC-U22T-A





SPECIFICATIONS

			Note	
Power requirements	110-240 V AC, 50/60 Hz			
Power consumption (W)	Indicated on the rear of the T	ïV		
Television system	B/G, I, D/K, M			
Color system	PAL, PAL 60, SECAM, NTS	SC4.43, NTSC3.58		
Channel coverage				
B/G	VHF: E2 to E12 / UHF: E21	to E69 / CATV: S01 to S03, S1 to S41		
Ī	UHF: B21 to B68 / CATV: S	01 to S03, S1 to S41		
D/K		VHF: C1 to C12, R1 to R12 / UHF: C13 to C57, R21 to R60 CATV: Z1 to Z39, S01 to S03, S1 to S41		
M	VHF: A2 to A13 / UHF: A14 to A79 / CATV: A-8 to A-2, A to W+4, W+6 to W+84			
□ (Antenna)	75-ohm external terminal			
Audio output	6W + 6W			
Number of terminal				
	Input: 3 Output: 1	Phono jacks; 1 V _{P-P} , 75 ohms		
∫ (Audio)	Input: 3 Output: 1	Phono jacks; 500 mVrms		
€ (S Video)	Input: 2	Y: 1 Vp-p, 75 ohms, unbalanced, sync negative C:0.286 Vp-p, 75 ohms		
⊕ (Headphone)	Output: 1	Minijack		
Picture tube	25 inch			
Tube size (cm)	64	Measured diagonally		
Screen size (cm)	60	Measured diagonally		
Dimension (w/h/d, mm)	722 × 515 × 512			
Mass (kg)	39			

Design and specifications are subject to change without notice.

CAUTION

SHORT CIRCUIT THE ANODE OF THE PICTURE TUBE AND THE ANODE CAP TO THE METAL CHASSIS, CRT SHIELD, OR CARBON PAINTED ON THE CRT, AFTER REMOVING THE ANODE.

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY SHADING AND MARK \triangle ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

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Title

SELF DIAGNOSTIC FUNCTION

The units in this manual contain a self-diagnostic function. If an error occurs, the STANDBY/TIMER lamp will automatically begin to flash.

The number of times the lamp flashes translates to a probable source of the problem. A definition of the STANDBY/TIMER lamp flash indicators is listed in the instruction manual for the user's knowledge and reference. If an error symptom cannot be reproduced, the remote commander can be used to review the failure occurrence data stored in memory to reveal past problems and how often these problems occur.

1. DIAGNOSTIC TEST INDICATORS

When an errors occurs, the STANDBY/TIMER lamp will flash a set number of times to indicate the possible cause of the problem. If there is more than one error, the lamp will identify the first of the problem areas.

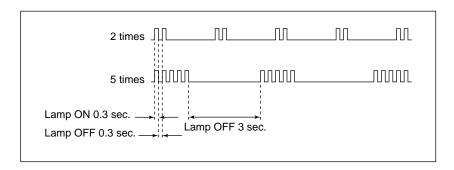
Result for all of the following diagnostic items are displayed on screen. No error has occured if the screen displays a "0".

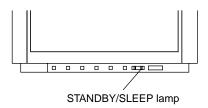
	+			
Diagnostic Item Description	No. of times STANDBY/TIMER lamp flashes	Self-diagnostic display/Diagnostic result	Probable Cause Location	Detected Symptoms
Power does not turn on	Does not light	_	 Power cord is not plugged in. Fuse is burned out F4601 (F) 	 Power does not come on. No power is supplied to the TV. AC power supply is faulty.
+B overcurrent (OCP) or overvoltage (OVP) Vertical deflection stopped Horizontal deflection overdrive	2 times	002:000 or 002:001~255 003:001~255 004:001~255 at the same time	H.OUT Q511 is shorted. (A board) IC701 is shorted. (C board) -13V is not supplied. (A board) IC 503 faulty (A board)	 Power does not come on. Load on power line is shorted. Has entered standby state after horizontal raster. Vertical deflection pulse is stopped. Power line is shorted or power supply is stopped.
White balance failure (no PICTURE)	5 times	005:000 or 005:001~225	 G2 is improperly adjusted. (Note 2) CRT problem. Video OUT IC701 is faulty. (C board) IC301 is faulty. (A board) No connection A board to C board. 	No raster is generated. CRT cathode current detection reference pulse output is small.
Micro reset	_	101:00 or 101:001~225	Discharge CRT (C Board) Static discharge External noise	Power is shut down shortly, after this return back to normal. Detect Micro latch up.

Note 1: If a + B overcurrent is detected, stoppage of the vertical deflection is detected simultaneously. The symptom that is diagnosed first by the microcontroller is displayed on the screen.

Note 2: Refer to screen (G2) Adjustment in section 3-4 of this manual.

DISPLAY OF STANDBY/TIMER LIGHT FLASH COUNT





Diagnostic Item +B overcurrent/overvoltage Vertical deflection stopped

Flash Count* 2 times

White balance failure

5 times

STOPPING THE STANDBY/TIMER FLASH

Turn off the power switch on the TV main unit or unplug the power cord from the outlet to stop the STANDBY/TIMER lamp from flashing.

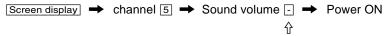
^{*} One flash count is not used for self-diagnostic.

4. SELF-DIAGNOSTIC SCREEN DISPLAY

For errors with symptoms such as "power sometimes shuts off" or "screen sometimes goes out" that cannot be confirmed, it is possible to bring up past occurances of failure for confirmation on the screen:

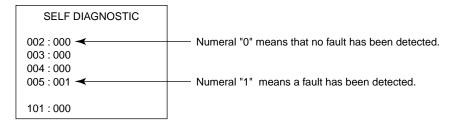
[To Bring Up Screen Test]

In standby mode, press buttons on the remote commander sequentially in rapid succession as shown below:



Note that this differs from entering the service mode (mode volume +).

Self-Diagnosis screen display



5. HANDLING OF SELF-DIAGNOSTIC SCREEN DISPLAY

Since the diagnostic results displayed on the screen are not automatically cleared, always check the self-diagnostic screen during repairs. When you have completed the repairs, clear the result display to "0".

Unless the result display is cleared to "0", the self-diagnostic function will not be able to detect subsequent faults after completion of the repairs.

[Clearing the result display]

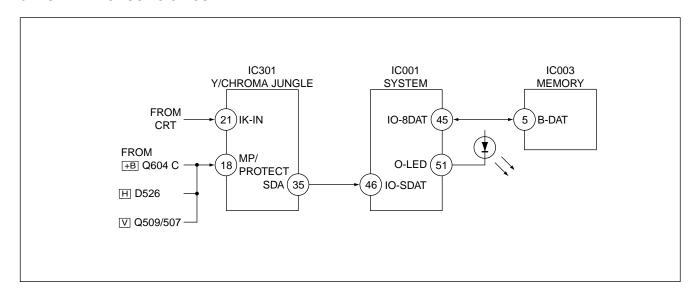
To clear the result display to "0", press buttons on the remote commander sequentially as shown below when the diagnostic screen is being displayed.

Channel 8 → 0

[Quitting Self-diagnostic screen]

To quit the entire self-diagnostic screen, turn off the power switch on the remote commander or the main unit.

6. SELF-DIAGNOSTIC CIRCUIT



+B overcurrent (OCP)

Occurs when an overcurrent on the +B(135) line is detected by Q604. If Q604 go to ON and the voltage to pin 18 of IC301 should go down when V.SYNC is more than seven verticals in a period, the unit will automatically turn off.

Vertical deflection stopped

Occurs when an absence of the vertical deflection pulse is detected by Q509 and IC001 shut down the power supply.

Vertical deflection overcurrent

Occurs when an overcurrent on V drive line is detected by Q507. Power supply will be shut down when detect this by IC001.

White balance failure

If the RGB levels* do not balance or become low level within 5 seconds, this error will be detected by IC301. TV will stay on, but there will be no picture.

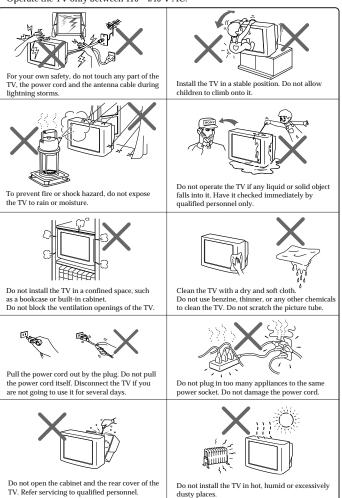
* (Refers to the RGB levels of the AKB detection Ref pulse that detects IK.)

The operating instructions mentioned here are partial abstracts from the Operating Instruction Manual. The page numbers of the Operating Instruction Manual remain as in the manual.

SECTION 1 GENERAL

WARNING

- · Dangerously high voltages are present inside the TV.
- Operate the TV only between 110 240 V AC.



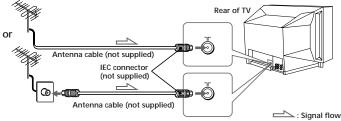
Using Your New TV

Getting Started

Step 1

Connect the antenna

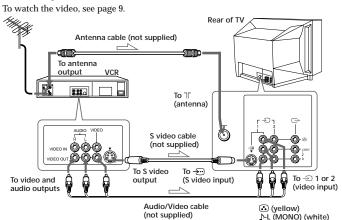
If you wish to connect a VCR, see the "Connecting a VCR" diagram below.



CAUTION

Do not connect the power cord until you have completed making all other connections; otherwise a minimum leakage current might flow through the antenna and other terminals to ground.

Connecting a VCR



N-R (red)

: Signal flow

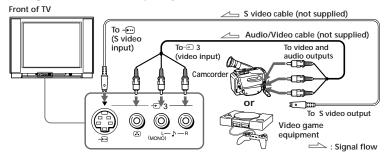
Using Your New TV

Connecting optional components

You can connect optional audio/video components, such as a VCR, multi disc player, camcorder, video game or stereo system.

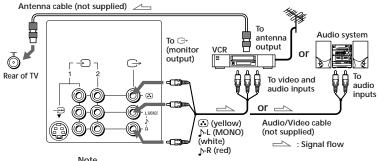
To watch the picture of the connected equipment, see page 9.

Connecting a camcorder/video game equipment using the (video input) jacks



- You can also connect video equipment to the € 1 or 2 (video input) jacks at the rear of your TV.
- If both ⊕ (S video input) and ⊕ 3 (video input) at the front of your TV are input at the same time, the - (S video input) is automatically selected. To view → 3 (video input), disconnect the S video cable.

Connecting audio/video equipment using the → (monitor output) jacks



Note

- When connecting a monaural VCR, connect the yellow plug to (3) (the yellow jack) and the black plug to \(\) -L (MONO) (the white jack).
- 6 | Using Your New TV

Notes

- If you connect a monaural VCR, connect the yellow plug to (the yellow jack) and the black plug to L (MONO) (the white jack).
 If you connect a VCR to the (antenna) terminal, preset the signal output from the VCR to the program number 0 on the TV.
- If both ⊕ (S video input) and ⊕ 1 (video input) at the rear of your TV are input at the same time, the - \bigcirc (S video input) is automatically selected. To view - \bigcirc 1 (video input), disconnect the S video cable.
- When no signal is input to the connected video equipment, the TV screen becomes blue.

Step 2

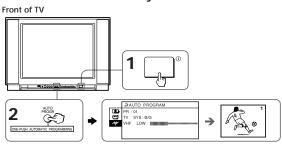
Insert the batteries into the remote



· Do not use old batteries nor use different types of batteries together.

Step 3

Preset the channels automatically



- · If you want to stop the automatic channel presetting, press MENU twice.
- If your TV has preset an unwanted channel or cannot preset a particular channel, then preset your TV manually (see page 21 and 22).

• During automatic channel presetting, your TV screen will indicate "B/G", "I", "D/K" or "M" for the TV system (TV SYS).

Now You Are Ready. . .

To watch your TV, see page 8.



Using Your New TV | 5

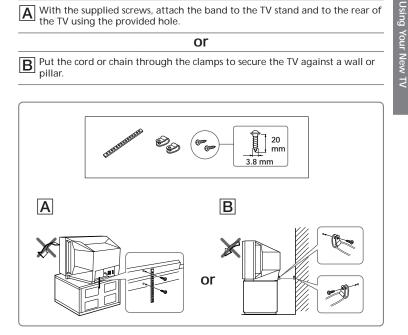
Securing the TV

To prevent the TV from falling, secure the TV using one of the following methods:

With the supplied screws, attach the band to the TV stand and to the rear of the TV using the provided hole.

or

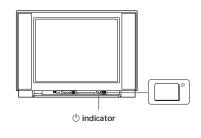
Put the cord or chain through the clamps to secure the TV against a wall or

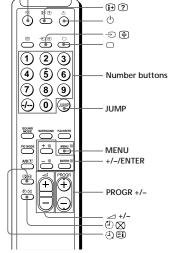


• Use only the supplied screws. Use of other screws may damage the TV.

Watching the TV

This section explains functions used while watching TV. Most operations can be done using the remote.





σX

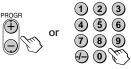
Press ① to turn on the TV.

When the TV is in the standby mode (the \circlearrowleft indicator on the TV is lit red), press (b) on the remote or PROGR +/- on the TV.



Press PROGR +/- or number buttons to select the TV program.

> For double digit numbers, press -/--, then the number (e.g., for 25, press -/--, then 2 and 5).



volume.



KV-XF25M50/XF25M80

Additional tasks

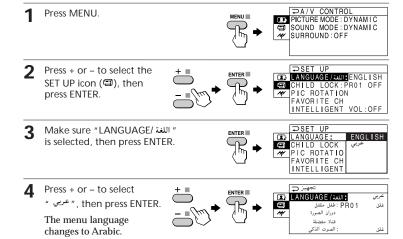
То	Do this
Turn off temporarily	Press $\textcircled{1}$. The $\textcircled{1}$ indicator on the TV lights up red.
Turn off completely	Press ① on the TV.
Mute the sound	Press º¾.
Watch the video input (VCR, camcorder, etc.)	Press → ⊕ to select "VIDEO 1", "VIDEO 2" and "VIDEO 3". To return to the TV program, press □.
Jump back to the previous channel	Press JUMP.
Display the on-screen information*	Press (+) ?.

* The picture, sound, and either the program number or video mode are displayed. The on-screen display for the picture and sound information disappears after about 3 seconds.

Changing the menu language

You can change the menu language as well as the on-screen language.

For details on how to use the menu, see "How to use the menu" on page 15.



To return to the normal screen

Press MENU.

continued

Using Your New TV | 9

Watching the TV (continued)

Setting the Wake Up timer

Press (1) (1) until the desired period of time appears.

Using Your New

The Wake Up timer starts immediately after you have set it.



- Select the TV program or video mode you want to display when you wake
- Press \odot or set the Sleep timer if you want the TV to turn off automatically. The (4) indicator on the TV lights up orange.

To cancel the Wake Up timer

Press (4) (5) until "WAKE UP TIMER: OFF" appears or turn off the TV's main power.

Note

• If no buttons or controls are pressed for more than two hours after the TV is turned on using the Wake Up timer, the TV automatically goes into the standby mode. To continue watching the TV, press any button or control on the TV or the remote.

Setting the Sleep timer

desired period of time appears.

The Sleep timer starts immediately after you have set it.



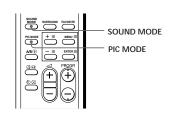
To cancel the Sleep timer

Press ⑤ ★ until "SLEEP TIMER: OFF" appears or turn the TV off.

Advanced Operations

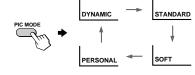
Selecting the picture and sound modes

You can select picture and sound modes and adjust the setting to your preference in PERSONAL option.



Selecting the picture mode

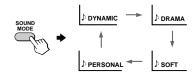
Press PIC MODE repeatedly until you get the desired picture mode.



Select	То	
DYNAMIC	receive high contrast pictures.	
STANDARD	receive normal contrast pictures.	
SOFT	receive mild pictures.	
PERSONAL	receive the last adjusted picture setting from the ADJUST option in the A/V CONTROL menu (see page 17).	

Selecting the sound mode

Press SOUND MODE repeatedly until you get the desired sound mode.

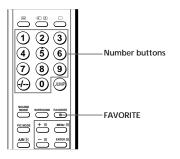


Select	То	
DYNAMIC	listen to dynamic and clear sound that emphasizes the low and high tones.	
DRAMA	listen to sound that emphasizes voice and high tones.	
SOFT	receive soft sound.	
PERSONAL	receive the last adjusted sound setting from the ADJUST option in the A/V CONTROL menu (see page 17).	

• You can also set the picture and sound modes using the menu (see "Changing the A/V CONTROL setting" on page 16).

Viewing your favorite channels

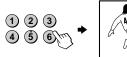
You can display and select six of your favorite channels directly from your TV screen.



Press FAVORITE.



Press the number button from 1 to 6 to select the desired channel.





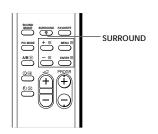
• To program your favorite channels, see "Programming your favorite channels" on page 18.

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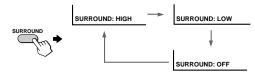
Advanced Operations

Listening with surround sound

The surround feature enables you to enjoy the sound effects of a concert hall or movie theater.



Press SURROUND repeatedly until you receive the desired surround sound.



То
listen to sound that spreads out over a large area, giving the feeling of being at a concert hall.
listen to the sound that gives the feeling of being at a live concert.
turn off the surround sound.

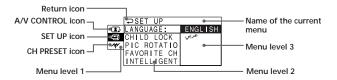
The surround of your TV is categorized as TruSurround.

TruSurround is a trademark of SRS Labs, Inc. SRS and the SRS symbol are registered trademarks of SRS Labs, Inc. in the United States and selected foreign countries. SRS and TruSurround are incorporated under license from SRS Labs, Inc. and are protected under United States Patent Nos. 4,748,669 and 4,841,572 with numerous additional issued and pending foreign patents.

Adjusting Your Setup (MENU)

Introducing the menu system

The MENU button lets you open a menu and change the settings of your TV. Here's an overview of the menu system.



Level 1	Level 2	Level 3/Function
A/V CONTROL	PICTURE MODE	Select the picture mode. DYNAMIC \rightarrow STANDARD \rightarrow SOFT \rightarrow PERSONAL \rightarrow ADJUST
 •	ADJUST	Adjust the PERSONAL option. PICTURE→COLOR→BRIGHT→HUE→SHARP
	SOUND MODE	Select the sound mode. DYNAMIC → DRAMA → SOFT → PERSONAL → ADJUST
	ADJUST	Adjust the PERSONAL option. BASS → TREBLE → BALANCE → BBE *
	SURROUND	Select the surround mode. $HIGH \rightarrow LOW \rightarrow OFF$
SET UP	اللغة /LANGUAGE	Change the menu language. ENGLISH - عربي (Arabic)
	CHILD LOCK	Lock the channel independently.
	PIC ROTATION	Adjust the picture position.
	FAVORITE CH	Program favorite channels.
	INTELLIGENT VOL	Adjust volume automatically.
CH PRESET	AUTO PROGRAM	Preset channels automatically.
44	MANUAL PROGRAM	Preset channels manually.
11/	SKIP	Skip unwanted or unused program positions.
	TV SYS	Select the TV system. $B/G \rightarrow I \rightarrow D/K \rightarrow M$
	COLSYS	Select the color system. AUTO→PAL→SECAM→NTSC3.58→NTSC4.43

^{*} The BBE is manufactured by Sony Corporation under license from BBE Sound, Inc. It is covered by U.S. Patent No. 4,638,258 and No. 4,482,866. The word "BBE" and the BBE symbol are the trademarks of BBE Sound, Inc.

Advanced Operations

How to use the menu



You can use the buttons on the remote and on the TV as well to display the menu and adjust the settings.

1 Press MENU to display the menu.



MENU

+/-/ENTER

2 Press + or – to select the desired item.



Press ENTER to confirm your option and go to the next menu level.



Other menu operations

То	Press	_
Adjust the setting value	+/-	
Return to the previous menu level*	ENTER	Ī
Cancel the menu	MENU	

* To return from Menu Level 2 to Level 1, press + or − to select the return icon (⊃), then press ENTER.

Tips

- If more than 60 seconds elapse between entries, the menu screen disappears.

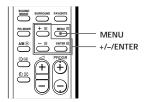
Front of TV



Adjusting Your Setup (MENU) | 15

Changing the A/V CONTROL setting

The A/V CONTROL menu allows you to change the picture and sound settings.



- 1 Press MENU.
- Make sure the A/V CONTROL icon (♠) is selected, then press ENTER.



Press + or - to select either PICTURE MODE, SOUND MODE or SURROUND, then press ENTER.



Press + or – to select the desired option, then press ENTER.



For	Select	
PICTURE MODE	either DYNAMIC, STANDARD, SOFT, PERSONAL*, or ADJUST.	
SOUND MODE	either DYNAMIC, DRAMA, SOFT, PERSONAL*, or ADJUST.	
SURROUND	either HIGH, LOW, or OFF.	
* When the PERSONAL mode is selected, the last adjusted picture		

When the PERSONAL mode is selected, the last adjusted picture and sound settings from the ADJUST option are received (see next page).

Tip

 For details on the options under "PICTURE MODE", "SOUND MODE" and "SURROUND", see page 11 and 13 respectively.

To return to the normal screen

Press MENU.

16 | Adjusting Your Setup (MENU)

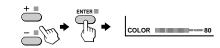
Adjusting

(MENU)

KV-XF25M50/XF25M80

Adjusting the ADJUST options under PICTURE MODE

1 Press + or - to select the desired item (e.g., COLOR), then press ENTER.



9 Adjust the value according to the following table, then press ENTER.

For	Press – to	Press + to
PICTURE	decrease picture contrast	increase picture contrast
COLOR	decrease color intensity	increase color intensity
BRIGHT	darken the picture	brighten the picture
HUE*	increase red picture tones	increase green picture tones
SHARP	soften the picture	sharpen the picture

* You can adjust HUE for the NTSC color system only.

3 Repeat the above steps to adjust other items.
The adjusted settings will be received when you select PERSONAL.

Adjusting the ADJUST options under SOUND MODE

1 Press + or – to select the desired item (e.g., BALANCE), then press ENTER.



2 Adjust the value according to the following table, then press ENTER.

For	Press – to	Press + to
BASS	decrease the bass	increase the bass
TREBLE	decrease the treble	increase the treble
BALANCE	increase the left speaker's volume	increase the right speaker's volume
BBE	select "HIGH" for higher enhancen select "LOW" for lower enhanceme select "OFF" to turn off the BBE sou	ent of sound clarity;

3 Repeat the above steps to adjust other items.
The adjusted settings will be received when you select PERSONAL.

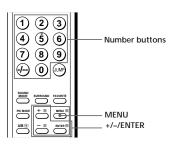
Tip

 For details on the menu system and how to use the menu, refer to "Introducing the menu system" on page 14 and "How to use the menu" on page 15.

Adjusting Your Setup (MENU) | 17

Changing the SET UP setting

The SET UP menu allows you to change the menu language, lock channels, adjust the picture position, program your favorite channels and adjust volume automatically.



Programming your favorite channels

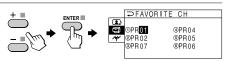
The FAVORITE CH feature enables you to program up to six channels for direct selection.

1 Press MENU.

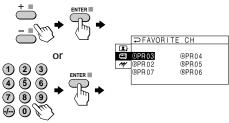
Press + or - to select the SET UP icon (母), then press ENTER.



Press + or - to select FAVORITE CH, then press ENTER twice.



Press + or -, or number buttons to program the desired channel (e.g., PR03), then press ENTER.



5 To continue programming other favorite channels, press + or – and then press ENTER. After that, repeat step 4.

To return to the normal screen

Press MENU.

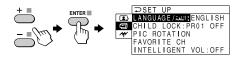
18 | Adjusting Your Setup (MENU)

Using the CHILD LOCK feature

You can prevent your children from watching certain channels by using the CHILD LOCK feature.

Press MENU.

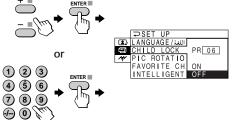
Press + or - to select the SET UP icon (2), then press ENTER.



Press + or - to select CHILD LOCK, then press ENTER.

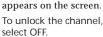


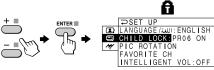
Press + or -, or number buttons to select the desired channel, then press ENTER.



Press + or - to select ON, then press ENTER.

> The lock symbol (appears on the screen.





To continue locking other channels, press ENTER and then repeat step 4 to 5.

To return to the normal screen

Press MENU.

· If you preset a locked channel, that particular channel will be unlocked automatically (see page 21).

continued

Adjusting Your Setup (MENU) | 19

Changing the SET UP setting (continued)

Changing other SET UP menu options

Press MENU.

Press + or - to select the SET UP icon (2), then press ENTER.



Press + or - to select the desired option (e.g., INTELLIGENT VOL), then press ENTER.



Select	То				
LANGUAGE	Change the menu language (see "Changing the menu language" on page 9).				
CHILD LOCK	Prevent children from watching certain channels (see "Using the CHILD LOCK feature" on page 19).				
PIC ROTATION	Adjust the picture position when it is not aligned to the TV screen. Press + or – to adjust the picture position, then press ENTER.				
	PIC ROTATION DICTOR				

FAVORITE CH	Program channels for direct selection (see "Programming your favorite channels" on page 18).
INTELLIGENT VOL	Adjust the volume of all TV programs automatically. Press + or - to select "ON", then press ENTER. To turn off the "INTELLIGENT VOL" function, select "OFF" then press ENTER.

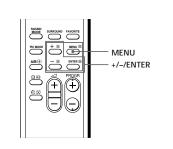
To return to the normal screen

Press MENU.

· For details on the menu system and how to use the menu, refer to "Introducing the menu system" on page 14 and "How to use the menu" on page 15.

Changing the Channel Preset (CH PRESET) setting

The CH PRESET menu allows you to adjust the setup of your TV. For example, you can receive a channel with a weak signal that fails to be tuned in by automatic presetting.



Presetting channels manually

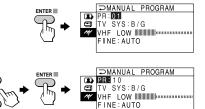
- 1 Press MENU.
- Press + or to select the CH PRESET icon (**/), then press ENTER.



Press + or - to select MANUAL PROGRAM, then press ENTER.



- Select the program number to which you want to preset a channel.
 - (1) Make sure "PR" is selected, then press ENTER.
 - (2) Press + or until the program number you want to preset (e.g., program number 10) appears on the menu, then press ENTER.



continued

Changing the Channel Preset (CH PRESET) setting (continued)

- **5** Select the desired channel.
 - Press + or to select either VHF LOW, VHF HIGH or UHF, then press ENTER.



(2) Press + or – until the desired channel picture appears on the TV screen, then press ENTER.



- 6 If the sound of the desired channel is abnormal, select the appropriate TV system.
 - (1) Press + or to select TV SYS, then press ENTER.

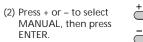


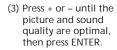
(2) Press + or – until the sound becomes normal (e.g., M), then press ENTER.



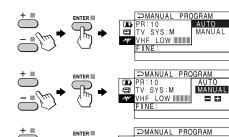


- If you are not satisfied with the picture and sound quality, you may improve them by using fine tuning.
 - (1) Press + or to select FINE, then press ENTER.





The + or – icon on the menu flashes while tuning.



PR:10 TV SYS:M

W VHF LOW WWW.

To return to the normal screen

Press MENU.

Note

 The TV system (TV SYS) and the fine tuning (FINE) settings are memorized for each program number.

Changing the Channel Preset (CH PRESET) setting (continued)

Changing other CH PRESET menu options

Press MENU.

2 Press + or – to select the CH PRESET icon (*/), then press ENTER.



Press + or - to select the desired option (e.g., SKIP), then press ENTER.



Select	То
AUTO PROGRAM	preset channels automatically.
MANUAL PROGRAM	preset channels manually. See "Presetting channels manually" on page 21 and 22.
TV SYS	select the TV system. See "Presetting channels manually" on page 21 and 22.
COLSYS	select the color system. Normally, set this to "AUTO".
SKIP	skip unwanted or unused program numbers. 1 Press + or – until the unused or unwanted program number appears, then press ENTER. 2 Press + or – to select "ON", then press ENTER. To put the skipped program number back on, select "OFF", then press ENTER.

Tin

 For details on the menu system and how to use the menu, refer to "Introducing the menu system" on page 14 and "How to use the menu" on page 15.

Note

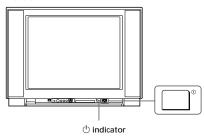
 If you preset a locked channel, that particular channel will be unlocked automatically (see page 19).

KV-XF25M50/XF25M80

Self-diagnosis function

Your TV is equipped with a self-diagnosis function. If there is a problem with your TV, the \circlearrowleft indicator flashes red. The number of times the (b) indicator flashes indicates the possible causes.





- Check that the 1 indicator flashes red a number of times between 3-second
- Count the number of times the 1 indicator flashes.
- Press ① (main power) to turn off your TV.
- Inform your nearest Sony service center about the number of times the \circlearrowleft indicator flashes.

Be sure to note the model name and serial number located on the rear of your TV.

Troubleshooting

If you find any problem while viewing your TV, please check the following guide. If any problem persists, contact your Sony dealer.

Symptom	Solutions	Possible cause
Snowy picture	Check the antenna cable and connection on the TV, VCR and on the wall. (page 4)	Connection is loose or the cable is damaged.
Noisy sound	Display the CH PRESET menu and select "MANUAL PROGRAM" to preset the channel again. (page 21)	Channel presetting is inappropriate or incomplete.
	Check the antenna type (VHF/UHF). Contact a Sony dealer for advice.	The antenna type is inappropriate.
	Adjust the antenna direction. Contact a Sony dealer for advice.	The antenna direction is inappropriate.
	Try using a booster.	Signal transmission is low.
Distorted picture Noisy sound	Turn off or disconnect the booster if it is in use.	Broadcast signals are too strong.
Good picture Noisy sound	If the sound of some channels are noisy, select the channel, then display the CH PRESET menu and select the appropriate TV system (TV SYS). (page 22)	The TV system (TV SYS) setting is inappropriate.
No picture	Check the power cord, antenna and the VCR connections.	The power cord, antenna or VCR is not connected.
No sound	Press () (power). Press () (main power) on the TV to turn off the TV for about five seconds, then turn it on again.	The TV is not turned on.

Additional Information

Solutions	Possible cause
• Press \triangle + to increase the volume level.	The volume level is too low.
• Press ox to cancel the muting.	The sound is muted.
Do not use a hair dryer or other equipment near the TV. Adjust the antenna direction for minimum interference. Contact a Sony dealer for advice.	There is local interference from cars, neon signs, hair dryers, power generators, etc.
Use a highly directional antenna.	Broadcast signals are reflected by nearby mountains or buildings.
Adjust the antenna direction. Contact a Sony dealer for advice.	The antenna direction is inappropriate.
• Turn off or disconnect the booster if it is in use.	Use of a booster is inappropriate.
 Display the A/V CONTROL menu and select "ADJUST" of PICTURE MODE, then adjust the COLOR level. (pages 16 and 17) 	The color level setting is too low.
Display the CH PRESET menu and check the color system (COL SYS) setting (usually set this to AUTO). (page 24)	The color system setting is inappropriate.
Adjust the antenna direction. Contact a Sony dealer for advice.	The antenna direction is inappropriate.
Keep external speakers or other electrical equipment away from the TV. Do not move the TV while the TV is turned on. Press ① (main power) on the TV to turn off the TV for about five minutes, then turn it on again.	The magnetic disturbance from external speakers or other equipment, or the direction of the earth's magnetic field may affect the TV.
	 Press ≥ + to increase the volume level. Press □× to cancel the muting. Do not use a hair dryer or other equipment near the TV. Adjust the antenna direction for minimum interference. Contact a Sony dealer for advice. Use a highly directional antenna. Adjust the antenna direction. Contact a Sony dealer for advice. Turn off or disconnect the booster if it is in use. Display the A/V CONTROL menu and select "ADJUST" of PICTURE MODE, then adjust the COLOR level. (pages 16 and 17) Display the CH PRESET menu and check the color system (COL SYS) setting (usually set this to AUTO). (page 24) Adjust the antenna direction. Contact a Sony dealer for advice. Keep external speakers or other electrical equipment away from the TV. Do not move the TV while the TV is turned on. Press ① (main power) on the TV to turn off the TV for about five

CO	nti	inυ	ied

Additional Information | 27

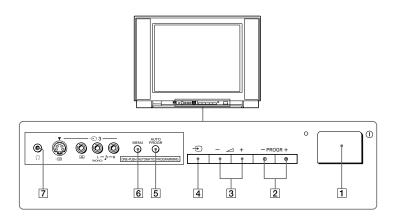
Troubleshooting (continued)

Symptom	Solutions	Possible cause
Picture slant	Display the SET UP menu and adjust "PIC ROTATION" so that the picture is aligned to the TV screen. (page 20)	The terrestrial magnetism affects your TV set.
The \textcircled{b} indicator on your TV flashes red a number of times between 3-second intervals.	Contact your nearest Sony service center. (page 25)	Your TV may need service.
TV cabinet creaks.	_	Changes in room temperature sometimes make the TV cabinet expand or contract, making a noise. This does not indicate a malfunction.
A "boom" sound is heard when the TV is turned on.	_	The TV's demagnetizing function is working. This does not indicate a malfunction.

Identifying parts and controls

Refer to the pages indicated in parentheses () for details.

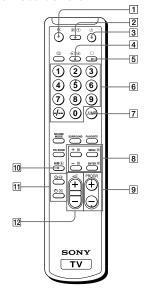
Front panel



- 1 ① (main power) button (8)
- 2 PROGR +/- (program) buttons (8)
- 3 ∠ +/- (volume) buttons (8)
- 4 (TV/video) button (9)
- 5 AUTO PROGR (program) button (5)
- 6 MENU button (15)
- 7 (headphone) jack

Identifying parts and controls (continued)

Remote Control

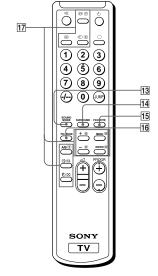


- 1 × (muting) button (9)

- (including batton (7))

 (including batton (9))

 (including batton (9))
- 8 Menu operation buttons (15)
 - MENU button
 - + or buttons
 - **ENTER button**
- 9 PROGR +/- button (8)
- 10 A/B button
 - (not used for KV-XF29M80/ XF29M50/XF25M80/XF25M50)
- 11 Timer setting buttons (10)
 - (4) (wake up timer)
 - (sleep timer)
- $12 \rightarrow +/-$ (volume) buttons (8)



- 13 SOUND MODE button (11)
- 14 SURROUND button (13)
- 15 FAVORITE button (12)
- 16 PIC MODE button (11)
- 17 Teletext operation buttons (not used for KV-XF29M80/XF29M50/ XF25M80/XF25M50)
 - (text)
- (enlarge)
 - ? (reveal) (hold)
 - (index)
 - (FASTEXT: red, green, yellow, blue)

Names/symbols of buttons on the remote are indicated in different colors to represent the available functions.

Label color	Button function
White	For general TV operations
Green	For Teletext operations

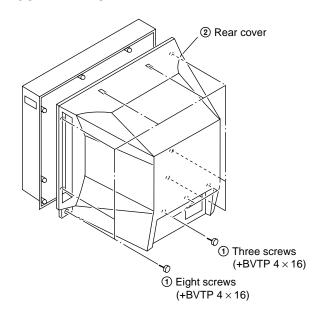
continued

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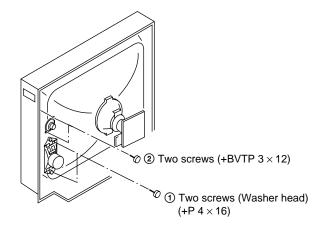
30 | Additional Information

SECTION 2 DISASSEMBLY

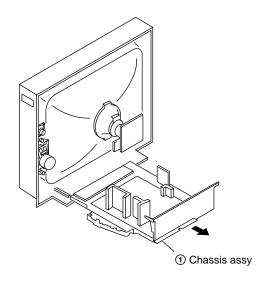
2-1. REAR COVER REMOVAL



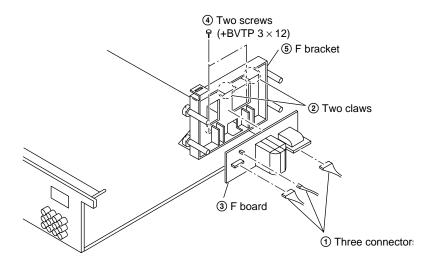
2-2. SPEAKER BRACKET REMOVAL



2-3. CHASSIS ASSY REMOVAL



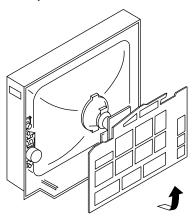
2-4. F BRACKET REMOVAL



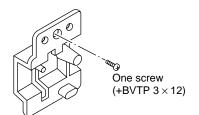
KV-XF25M50/XF25M80

2-5. SERVICE POSITION

(Note: Remove F Bracket first.)



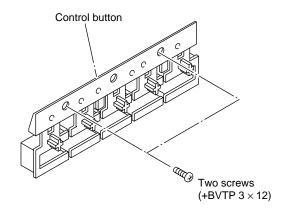
2-6-2. REPLACEMENT OF LIGHT GUIDE



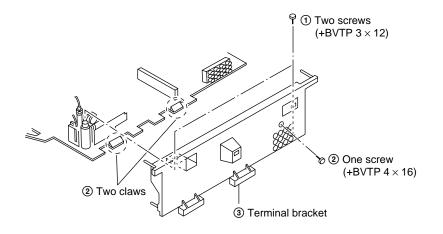
2-6. REPLACEMENT OF PARTS

For replacement of the Control Button and Light Guide, unscrew them, exchange with the new parts, and fix them with screws (+BVTP) respectively.

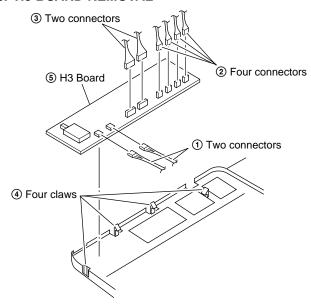
2-6-1. REPLACEMENT OF CONTROL BUTTON



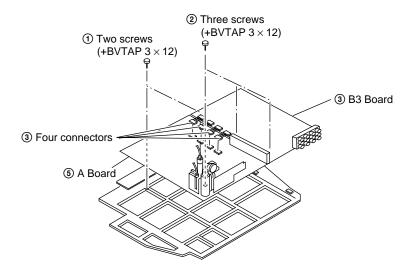
2-7. TERMINAL BRACKET REMOVAL



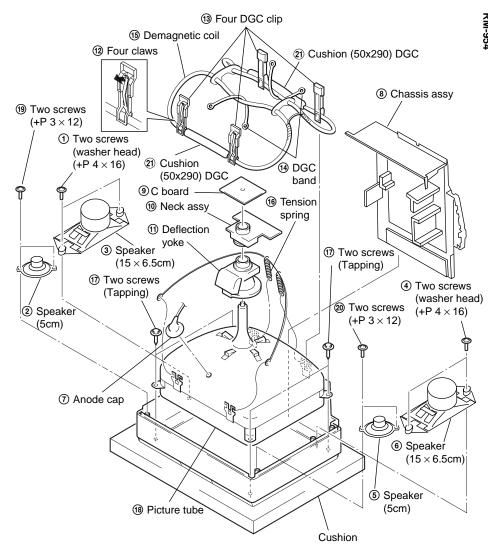
2-8. H3 BOARD REMOVAL



2-9. A AND B3 BOARDS REMOVAL



2-10. PICTURE TUBE REMOVAL



KV-XF25M50/XF25M80

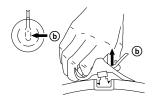
•REMOVAL OF ANODE-CAP

NOTE: After removing the anode, short circuit the anode of the picture tube and the anode cap to the metal chassis, CRT shield or carbon paint on the CRT.

• REMOVING PROCEDURES



1 Turn up one side of the rubber cap in the direction indicated by the arrow 2.



② Using a thumb pull up the rubber cap firmly in the direction indicated by the arrow **b**.

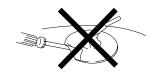


③ When one side of the rubber cap is separated from the anode button, the anode-cap can be removed by turning up the rubber cap and pulling it up in the direction of the arrow ⑥.

HOW TO HANDLE AN ANODE-CAP

- ① Do not damage the surface of anode-caps with sharp shaped objects.
- ② Do not press the rubber too hard so as not to damage the inside of anode-cap. A metal fitting called the shatter-hook terminal is built into the rubber.
- ③ Do not turn the foot of rubber over too hard.
 The shatter-hook terminal will stick out or damage the rubber.





SECTION 3 SET-UP ADJUSTMENTS

- The following adjustments should be made when a complete realignment is required or a new picture tube is installed.
- These adjustments should be performed with rated power supply voltage unless otherwise noted.

Controls and switches should be set as follows unless otherwise noted: PICTURE control normal BRIGHTNESS control normal

Perform the adjustments in the following order:

- 1. Beam Landing
- Convergence
- 3. Focus
- 4. White Balance

Note: Test Equipment Required.

- 1. Color-bar/Pattern Generator
- 2. Degausser
- 3. Oscilloscope

Preparation:

- In order to reduce the influence of geomagnetism on the set's picture tube, face it east or west.
- Switch on the set's power and degauss with the degausser.

3-1. BEAM LANDING

1. Input a white signal with the pattern generator.

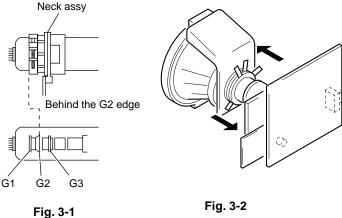
normal Brightness

- 2. Position neck assy as shown in Fig3-2.
- 3. Set the pattern generator raster signal to a green raster.
- 4. Move the deflection yoke to the rear and adjust with the purity control so that the green is at the center and the blue and the red take up equally sized areas on each side.

(See Figures 3-1 through 3-4.)

- 5. Move the deflection yoke forward and adjust so that the entire screen is green. (See Figure 3-2.)
- 6. Switch the raster signal to blue, then to red and verify the condition.
- 7. When the position of the deflection yoke has been decided, fasten the deflection yoke with the screws and DY spacers.
- 8. If the beam does not land correctly in all the corners, use a magnet to adjust it.

(See Figure 3-5.)





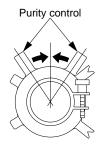


Fig. 3-3

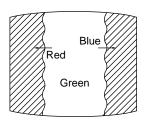


Fig. 3-4

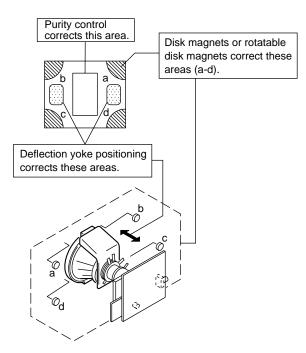


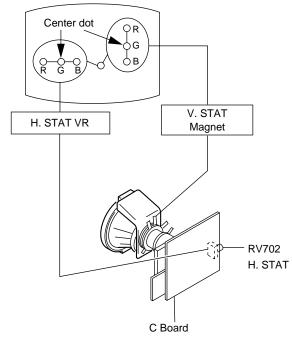
Fig. 3-5

3-2. CONVERGENCE

Preparation:

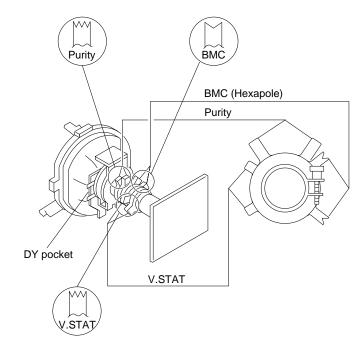
- Before starting this adjustment, adjust the focus, horizontal size and vertical size.
- · Minimize the brightness setting.
- Provide dot pattern.

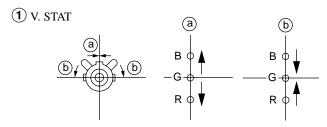
(1) Horizontal and Vertical Static Convergence

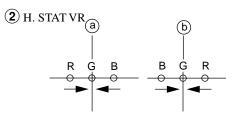


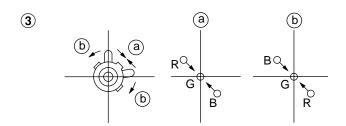
- (Moving horizontally), adjust the H.STAT control so that the red, green and blue dots are on top of each other at the center of the screen.
- 2. (Moving vertically), adjust the V.STAT magnet so that the red, green and blue dots are on top of each other at the center of the screen.
- 3. If the H.STAT variable resistor cannot bring the red, green and blue dots together at the center of the screen, adjust the horizontal convergence with the H.STAT variable resistor and the V.STAT magnet in the manner given below.
 (In this case, the H.STAT variable resistor and the V.STAT

(In this case, the H.STAT variable resistor and the V.STAT magnet influence each other, so be sure to perform adjustments while tracking.)



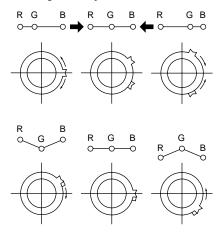






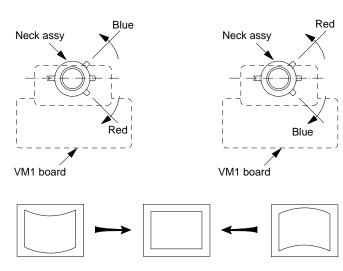
4 BMC (Hexapole) Magnet.

If the red, green and blue dots are not balanced or aligned, then use the BMC magnet to adjust in the manner described below.





- 1. Receive the cross-hatch signal and adjust [PICTURE] to [MIN] and [BRIGHTNESS] to [STANDARD] .
- Adjust the Y separation axis correction magnet on the neck assembly so that the horizontal lines at the top and bottom of the screen are straight.



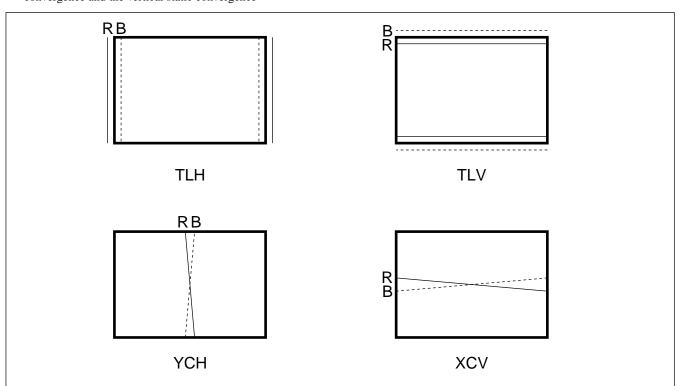
Note

- 1. The Red and Blue magnets should be equally far from the horizontal center line.
- Do not separate the Red and Blue magnets too far. (Less than 8 mm)

(2) Dynamic Convergence Adjustment

Preparation:

 Before starting this adjustment, adjust the horizontal static convergence and the vertical static convergence



TLV Rotate TLV-2 VOL (29", 34") on DY

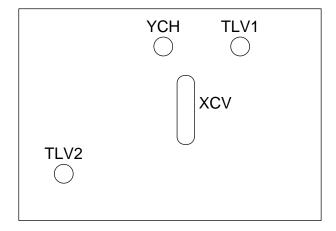
Rotate TLV VOL (25") on DY

XCV Rotate XCV Adj core on DY YCH Rotate YCH VOL on DY

TLH Insert TLH Correction Plate to DY Pocket (Left or

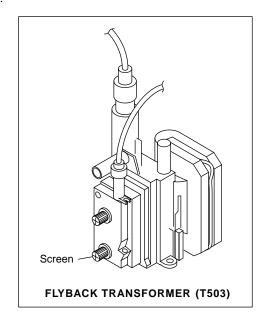
Right)

ON DY:

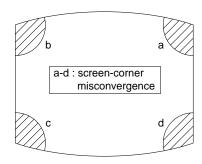


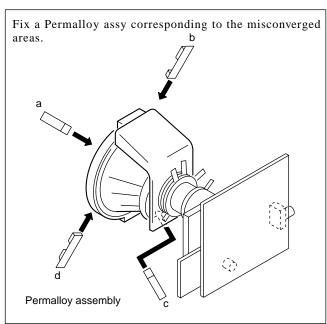
3-3. FOCUS ADJUSTMENT

Adjust FOCUS control on the flyback transformer for the best focus.



(3) Screen-corner Convergence

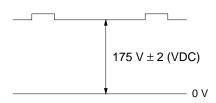




3-4. G2 (SCREEN) AND WHITE BALANCE ADJUSTMENTS

1. G2 (SCREEN) ADJUSTMENT

- 1) Set the PICTURE to normal.
- 2) Put to VIDEO input mode without signals.
- 3) Connect R, G and B of the C board cathode to the oscilloscope.
- 4) Adjust BRIGHTNESS to obtain the cathode voltage to the value below.
- 5) Adjust G2 (screen) on the FBT until picture shows the point before cut off.

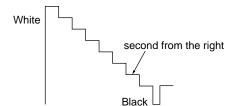


2. WHITE BALANCE ADJUSTMENT

- 1) Set to Service Mode (Refer Section 4-1: ADJUSTMENTS WITH COMMANDER).
- 2) Input white raster signal.
- 3) Set the PICTURE to minimum.
- 4) Select GCT (WHB 4) and BCT (WHB 5) with 1 and 4, and adjust the level with 3 and 6 for the best white balance.
- 5) Set the PICTURE to maximum.
- 6) Select GDR (WHB 1) and BDR (WHB 2) with 1 and 4, and adjust the level with 3 and 6 for the best white balance.
- 7) Write into the memory by pressing MUTING then 0.

3. SUB BRIGHT ADJUSTMENT

- 1) Set to service mode.
- 2) Input a staircase signal of black to white from the pattern generator.
- 3) BRIGHTNESS 50%.
 PICTURE MINIMUM
- 4) Select SBR (WHB7) with 1 and 4, and adjust SBR (WHB7) level with 3 and 6 so that the second stripe from the right is dimly lit.



SECTION 4 CIRCUIT ADJUSTMENTS

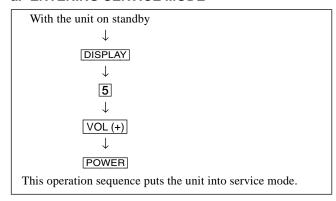
2, 0

versa.

4-1. ADJUSTMENTS WITH COMMANDER

Service adjustments are made with the RM-954 that comes with these units.

a. ENTERING SERVICE MODE



b. METHOD OF CANCELLATION FROM SERVICE MODE

Set the standby condition (Press POWER button on the commander), then press POWER button again, hereupon it becomes TV mode.

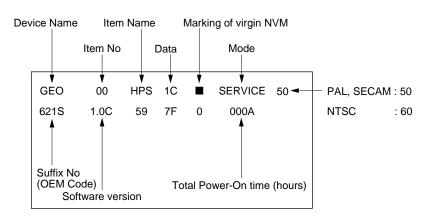
c. METHOD OF WRITE INTO MEMORY

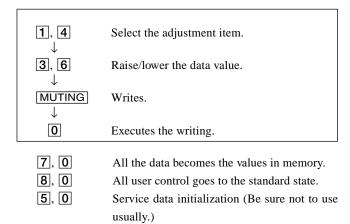
- 1) Set to Service Mode.
- 2) Press 1 (UP) and 4 (DOWN), select an item of adjustment.
- 3) Press MUTING button and it will indicate WRITE on the screen.
- 4) Press 0 button to write into memory.

d. MEMORY WRITE CONFIRMATION METHOD

- 1) After adjustment, pull out the plug from AC outlet, and then plug into AC outlet again.
- 2) Turn the power switch ON and set to Service Mode.
- 3) Call the adjusted items again to confirm adjustments were made.

The screen display is:





Write 50Hz adjustment data to 60Hz, or vice



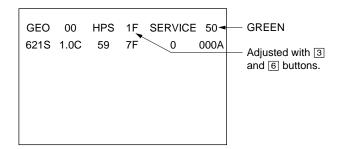
RM-954

4-2. ADJUSTMENT METHOD

Item Number 00 of device GEO

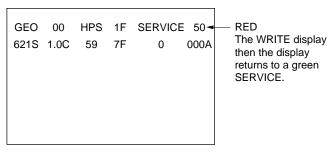
This explanation uses H-Position as an example.

- 1. Select "GEO 00 HPS" with the **1** and **4** buttons.
- 2. Raise/lower the data with the **3** and **6** buttons.
- $3. \quad Select the optimum \, state. \, (The \, standard \, is \, 1F \, for \, PAL \, reception.)$
- 4. Write with the MUTING button. (The display changes to WRITE.)
- 5. Execute the writing with the ① button. (The WRITE display will be changed to red color while excuting, and back to SERVICE.)



GEO 00 HPS 1F WRITE 50 GREEN 621S 1.0C 59 7F 0 000A

Written with MUTING



Write executed with 0

Use the same method for all Items. Use $\boxed{1}$ and $\boxed{4}$ to select the adjustment item, use $\boxed{3}$ and $\boxed{6}$ to adjust, write with $\boxed{\text{MUTING}}$, then execute the write with $\boxed{0}$.

Note: 1. In WRITE, the data for all items are written into memory together.

2. For adjustment items that have different standard data between 50Hz or 60Hz, be sure to use the respective input signal after adjustment.

KV-XF25M50/XF25M80 RM-954

Adjustment Item Table

Device	Funct	ionality	Note	Data Range	Function	Note for	Register	Slava	RAM Address
Name	No	Name				Different Data	No. (bit)	Address	(bit)
GEO	0	HPS	7	3F	H Position	50/60HZ	12 (7-2)	CXA2139S(88H)	96 (7-2)
	1	HSZ	1F	3F	H Size	50/60HZ	11 (7-2)		95 (7-2)
	2	PAP	1F	3F	Pin Amp	50/60HZ	13 (7-2)		97 (7-2)
	3	TLT	7	0F	Trapezium	50/60HZ	15 (7-4)		99 (7-4)
	4	VPS	1F	3F	V Position	50/60HZ	0F (7-2)		93 (7-2)
	5	VSZ	1F	3F	V Size	50/60HZ	0E (7-2)		92 (7-2)
	6	SCO	7	0F	S Correction	50/60HZ	10 (7-4)		94 (7-4)
	7	VLN	7	0F	V Linearity	50/60HZ	10 (3-0)		94 (3-0)
	8	BOW	7	0F	AFC Bow	50/60HZ	16 (7-4)		9A (7-4)
	9	AGL	7	0F	AFC-Angle	50/60HZ	16 (3-0)		9A (3-0)
	0A	UPN	1F	3F	Upper Pin	50/60HZ	14 (7-2)		98 (7-2)
	0B	LPN	2F	3F	Lower Pin	50/60HZ	18 (7-2)		9C (7-2)
	0C	HBL	0	1	H Blanking on/off		18 (1)		6C (1)
	0D	LBL	0F/0F	0F	Left H Blanking	50/60HZ	17 (7-4)		9B (7-4)
	0E	RBL	02/02	0F	Right H Blanking	50/60HZ	17 (3-0)		9B (3-0)
WHB	T	RDR	25/2A	3F	R Drive	DYNAMIC/other	09 (7-2)	CXA2139S(88H)	A3 (7-2)
	1	GDR	1F	3F	G Drive	DYNAMIC/other	0A (7-2)	, ,	A4 (7-2)
	2	BDR	1F	3F	B Drive	DYNAMIC/other	0B (7-2)		A5 (7-2)
	3	RCT	7	0F	R Cutoff	SECAM/other	07 (3-0)		A7 (3-0)
	4	GCT	7	0F	G Cutoff	SECAM/other	08 (7-4)		A8 (7-4)
	5	BCT	7	0F	B Cutoff	SECAM/other	08 (3-0)		A8 (3-0)
	6	BMN	15	1F	Brightness Minimum Data		06 (7-2)		106
	7	SBR	1F	3F	Sub Brightness Control		06 (7-2)		107
SAJ	T	PMX	36	3F	Picture Maximum Data		03 (7-2)	CXA2139S(88H)	105
	1	SHU	8	0F	Sub Hue Control	TV/Video	05 (7-2)	, ,	108
	2	SSH	03/05	0F	Sub Sharpness Control	TV/Video	07 (7-4)		109
	3	SCL	1F	3F	Sub Color Control	NTSC/others	04 (7-2)		10A
VP		EHT	02/02	0F	EHT Comp	50/60HZ	15 (3-0)	CXA2139S(88H)	99 (3-0)
	1	GMA		03	Gamma Correction	NTSC/others	0B (1-0)	, ,	25B (1-0)
					(Separated in Standard mode)				
	2	YDL	06/09/08	0FY Delay	PAL/SECAM/NTSC	0C (3-0)			A0(3-0)
	3	SST	1	03	SECAM ID Start Position		1B (1-0)		6F (1-0)
	4	SSP	1	03	SECAM ID Stop Position		1B (3-2)		6F (3-2)
	5	SLV	2	03	SECAM ID Level		1C (1-0)		70 (1-0)
	6	SBF	22	3F	SECAM BELL fO		1C (7-2)		70 (7-2)
	7	DYC	1	1	Dynamic Color on/off		0A (1)		5E (1)
	8	ABL	1	1	ABL Mode Switching (except STAND	ARD mode)	09 (1)		5D (1)
	9	VTH	1	1	ABL Detection Vth Switching	,	09 (0)		5D (0)
	0A	SFO	1	1	FO Switching for Sharpness	NTSC/others	05 (1)		24A (1)
	0B	DCX	1	1	DC Trans. Ratio Switching		06 (1)		5A (1)
	0C	SHT	1	1	Pre-/Overshoot ratio Switch	NTSC/others	06 (0)		24A (Ó)

Adjustment Item Table

Device	Funct	ionality	Note	Data Range	Function	Note for	Register	Slava	RAM Address
Name	No	Name				Different Data	No. (bit)	Address	(bit)
VP	0D 0E	HDW AFC	0 01/00	1 03	H Drive Pulse Width Switch AFC Gain Control	TV/Video/Text	00 (6) 0F (1-0)		54 (6) A1 (1-0)
	0F	HOS	7	0F	H Oscillation		0C (7-4)		60 (7-4)
	10	HSS	0	1 1	Slice Level of H Sync Sep.		0D (1)		61 (1)
	11	VSS	0	1 1	Slice Level of V Sync Sep.		0D (0)		61 (0)
	12	HMS	1	1 1	Macro Vision C/m off/on	50/60Hz	0E (0)		92 (0)
	13	YUV	00/01	1 1	YUV Switch Control		01 (0)		55 (0)
	14	CDV	1	3	CD mode for Video and RF under no signal	Video only	0D (5-4)		259 (5-4)
	15	RON	1	1 1	R ON	not memorized	01 (3)		55 (3)
	16	GON	1	1 1	G ON	not memorized	01 (2)		55 (2)
	17	BON	1	1 1	B ON	not memorized	01 (1)		55 (1)
	18	PON	1	1 1	P ON	not memorized	00 (7)		54 (7)
	19	BLK	0	1 1	BLK Off		12 (0)		66 (0)
L	1A	VMC	0	11	VM Off	L	13 (0)		67 (0)
AP	0	BCS	01	3	Bass Center Shift		#4 (3-0)	TDA7315(80H)	24C (1-0)
	1	TCS	02	3	Treble Center Shift		#5 (3-0)		24D (1-0)
	2	TRF	03	3	RF Treble Offset		#5 (3-0)		256 (1-0)
MSP	0	WST	15	FF	W/G Stereo Threshold			MSP3415D(84H)	165
	1	WBT	EC	FF	W/G Bilingual Threshold			, ,	166
	2	WLL	5	FF	W/G Monaural Threshold				167
	3	WAC	1	0F	W/G Agreement Count				168
	4	WDL	30	FF	W/G Search Delay				169
	5	NDL	20	FF	NICAM Search Delay				16A
	6	SDL	10	FF	Stereo status Read Delay				16B
	7	AGC	1	1 1	AGC Switch Auto/Constant		00BB (7)		116 (7)
	8	REL	28	3F	AGC Gain at Constant Mode		00BB (6-1)		116 (6-1)
	9	CRM	0	1 1	Carrier muting on/off		00BB (9)		115 (9)
	0A	ACO	1	1 1	Audio Clock out on/off		0083 (5)		11A (5)
	0B	FP	1B	7F	FM Prescale for non-M system		000E (14-8)		221
	0C	FPM	32	7F	FM Prescale for M system		000E (14-8)		222
	0D	FH	36	7F	FM Prescale for HDEV		000E (14-8)		223
	0E	FHM	65	7F	FM Prescale for HDEV and M		000E (14-8)		224
	0F	WGP	2A	7F	W/G Prescale		000E (14-8)		225
	10	NIP	6D	7F	NICAM Prescale		0010 (14-8)		14F
	11	ERR	50	FF	Auto FM switch Threshold		0021 (10-3)		174
	12	VOL	6D	FF	Loud Speaker gain 7000 to 7ffoh		0000 (15-4)		252

KV-XF25M50/XF25M80 RM-954

Adjustment Item Table

Device	Funct	ionality	Note	Data Range	Function	Note for	Register	Slava	RAM Address
Name	No	Name				Different Data	No. (bit)	Address	(bit)
SVP	0	SBF	22	3F	SECAM BELL f0		1C (7-2)	CXA2060AS(8AH)	85 (7-2)
	1	HOS	7	0F	H Oscillation		0C (7-4)		80 (7-4)
	2	SHU	8	0F	Sub Hue Control	TV/Video	05 (7-2)		210
	3	SCL	1F	3F	Sub Color Control	NTSC/Others	04 (7-2)		211
PIP	0	SDL	02	0F	Delay of output SELECT		01 (6-3)	SDA9288X(D6H)	18E (6-3)
	1	PPH	15	FF	H Position of TOP-LEFT Pin P		01/02		19D
	2	PPV	2E	FF	V Position of TOP-LEFT Pin P		03 (7-0)		19E
	3	YDL	0	07	Delay of Luminance Input		04 (2-0)		191 (2-0)
	4	HDI	3	0F	H Sync Delay for Inset		06 (3-0)		193 (3-0)
	5	ISC	01	1	Inset Clock Selection		06 (4)		193 (4)
	6	CLP	1	1	Clamp Pulse Selection		06 (5)		193 (5)
	7	CLC	0	1	Clamp Cycle Selection		06 (6)		193 (6)
	8	CON	0D	OF	Contrast Adjustment for inset		09 (7-4)		196 (7-4)
	9	PLL	2	03	H Position For A-ch		0D (6-5)		19A (6-5)
	0A	PDV	0	0F	PIP V Pedestal Level		0E (7-4)		19B (7-4)
	0B	PDU_	0	0F	PIP U Pedestal Level	_	0E (3-0)		19B (3-0)
TXT	0	TXH	1	3	Teletext Horizontal Position		10 (1-0)	SAA5261(58H)	248 (1-0)
	1	TXV	0 _	3	Teletext Vertical Position	_	10 (6-4)	L	248 (5-4)
OPM	0	OSH	0A	3F	OSD H Position	Option-Misc	1F1	CXP86461(60H)	17B (7-2)
	1	COM	1	03	Comb Selection				23F (7-6)
	2	APC	1	1	APC Switch				23E (5)
	3	TSY	0	03	TV Sys at Auto TV Sys				23E (4-3)
	4	MUT	0	1	No Signal Mute				23E (0)
	5	AFM	1	1	Auto FM switch				23E (1)
	6	RFB	0	3	C-BPF Control				23F (5-4)
	7	TVO	0	7	Tilt to V-Angle offset				23F (2-0)
	8	DBL	0	11	Disable Blue Black Function				23E_(2)
OPB	0	OP1	FF	FF	Optional Bits 1 (see below)	Option-Bits		CXP86461(60H)	48
	1	OP2	E3	FF	Optional Bits 2 (see below)				49
	2	OP3	0	FF	Optional Bits 3 (see below)				4A

NOTE

- shaded items are fixed data.
- Standard data listed on the Adjustment Item Table are reference values, therefore it may be different for each model and for each mode.
- Note for Different Data

 Those are the standard data values written on the microprocessor. Therefore, the data values of the modes and stored respectively in the memory.

In case of a device replacement, adjustment by rewriting the data value is necessary for some items.

KV-XF25M50/XF25M80 RM-954

ITEM INFORMATION.

No. OPB0 OP1

Item	XTAL 4.43	XTAL 3.58	SECAM	2nd. Lang	B/G	I	D/K	М
KV-XF25M50	1	1	1	1	1	1	1	1
KV-XF25M80	1	1	1	1	1	1	1	1

No. OPB1 OP2

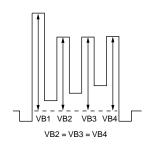
Item	TOP	NICAM	HDEV	Thai Bil	Dis Fav.	DVD Input	AV Input	
KV-XF25M50	0	0	0	0	0	0	1	1
KV-XF25M80	0	0	0	0	0	0	1	1

No. OPB2 OP3

Item	Pic rot	2199 Curve	Auto PIC	Auto TV sys	US ST	AV Mono	11 KEY	Color SW
KV-XF25M50	0	0	1	0	0	0	0	0
KV-XF25M80	0	0	1	0	0	0	0	0

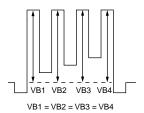
4-3. PICTURE QUALITY ADJUSTMENTS SUB COLOR ADJUSTMENT

- 1. Input a PAL color-bar.
- Set to the following condition:
 PICTURE 100%, BRIGHTNESS 50%, COLOR 50%
- 3. Connect an oscilloscope to pin ① (B OUT) of CN305, A board.
- 4. Set to Service Mode and select SAJ 3 'SCL' with 1 and 4 of the commander then adjust to VB2=VB3=VB4 with 3 and 6.
- 5. Press $\boxed{\text{MUTING}} \rightarrow \boxed{\textbf{0}}$ of the commander to write the data.
- 6. Adjust SAJ 3 'SCL' as step 2 to 5 when receiving NTSC colorbar.



SUB HUE ADJUSTMENT

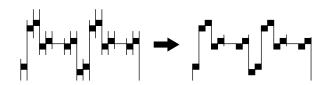
- 1. Select Video 1.
- 2. Input a NTSC color-bar, video into Video 1.
- Set the following condition:
 PICTURE 100%, BRIGHTNESS 50%, COLOR 50%
- 4. Connect an oscilloscope to pin ① (B OUT) of CN305, A board.
- Select SAJ 1 'SHU' with 1 and 4 of the commander by setting to Service Mode and adjust to VB1=VB2=VB3=VB4 with 3 and 6.



6. Press $\boxed{\text{MUTING}} \rightarrow \boxed{\mathbf{0}}$ of the commander to write the data.

BELL FILTER ADJUSTMENT

- 1. Input SECAM color-bar signal.
- 2. Connect the dual-trace oscilloscope to the pin (9) (R-Y) of CN303 (not mounted).
- 3. Adjust SERVICE MODE, ITEMS 'SBF' as shown below.



4-4. A BOARD ADJUSTMENT AFTER IC003 (MEMORY) REPLACEMENT

- 1. Enter to Service Mode.
- 2. Press commander buttons 5 and 0 (Data Initialize), and 2 and 0 (Data Copy) to initialize the data.
- 3. Call each item number and check if the respective screen shows the normal picture.

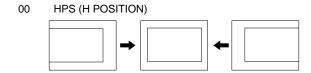
In cases where items are not well adjusted, rectify the items with fine adjustment.

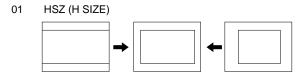
Write the data per each item number ($\boxed{\text{MUTING}} + \boxed{0}$).

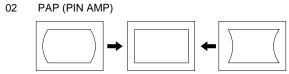
- 4. Select item numbers "OPB0" (OP1), "OPB1" (OP2) and "OPB2" (OP3) and respectively set the bit per model with command buttons 3 and 6.
- Press commander buttons 8 and 0 (Test Normal) to return to the data that was set on the shipment from the factory. (This will also cancel Service Mode.)

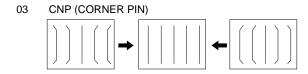
4-5. PICTURE DISTORTION ADJUSTMENT (1)

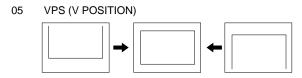
Item Number 00 - 0B

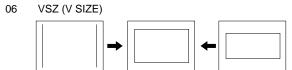




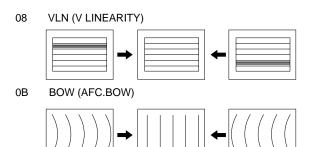


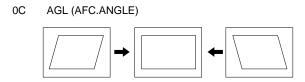






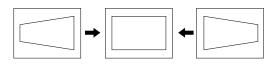






PICTURE DISTORTION ADJUSTMENT (2)

H-TRAPEZOID (Rotate RV1801)



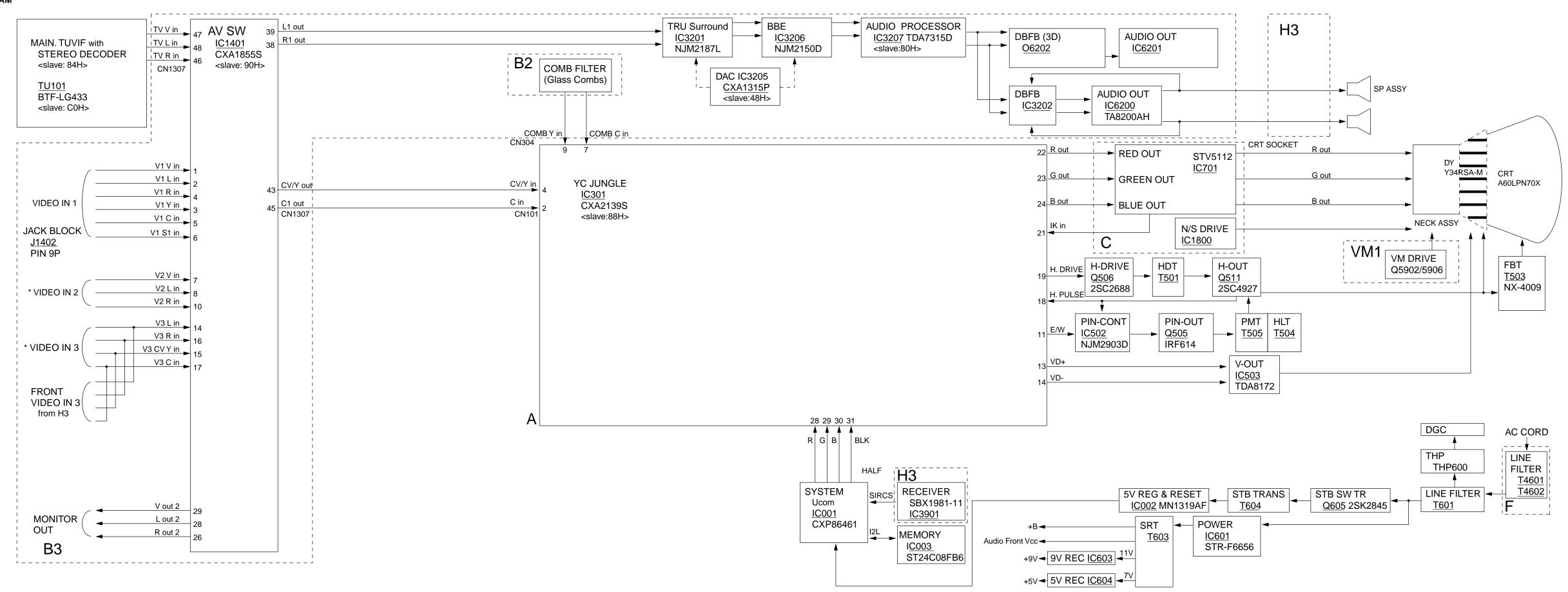
MEMO

KV-XF25M50/XF25M80 RM-954

MEMO

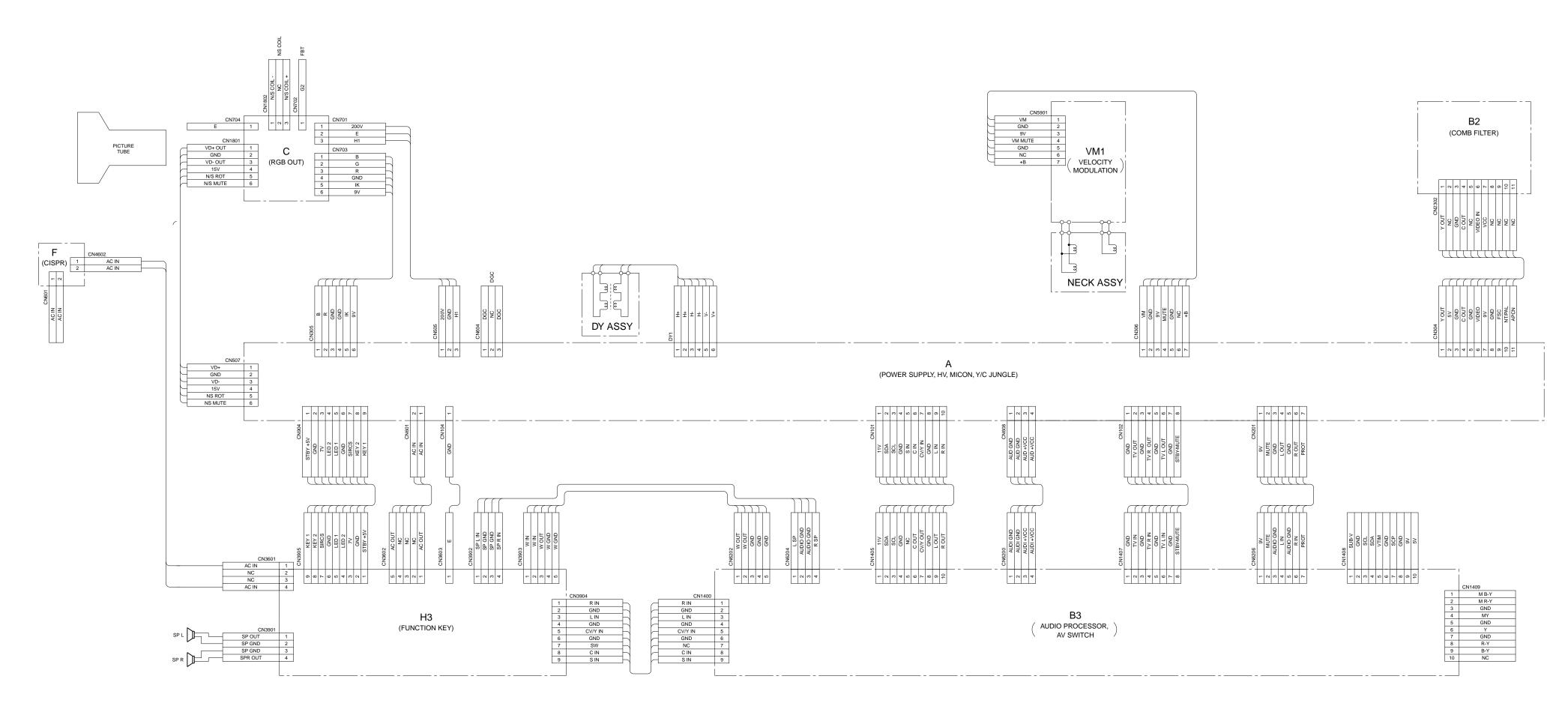
5-1. BLOCK DIAGRAM

SECTION 5
DIAGRAM

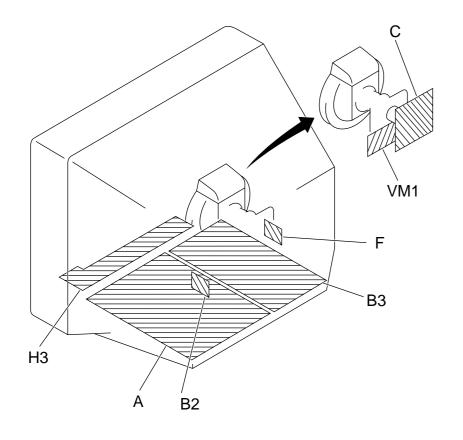


KV-XF25M50/XF25M80

5-2. FRAME SCHEMATIC DIAGRAM



5-3. CIRCUIT BOARDS LOCATION



5-4. SCHEMATIC DIAGRAMS AND PRINTED WIRING BOARDS

Note:

- All capacitors are in μF unless otherwise noted.
- All electrolytic capacitors are rated at 50V unless otherwise noted.
- All resistors are in ohms.
- $k\Omega$ = 1000Ω, $M\Omega$ = 1000 $k\Omega$
- Indication of resistance which does not have rating electrical power is as follows.

Pitch: 5 mm
Rating electrical power 1/4W (CHIP: 1/10W)

• : nonflammable resistor.

Δ : internal component.

: panel designation or adjustment for repair.

 All variable and adjustable resistors have characteristic curve B unless otherwise noted.

• Readings are taken with a color-bar signal input.

no mark: PAL (): SECAM []: NTSC 3.58 « »: NTSC 4.43

- Readings are taken with a 10 M Ω digital multimeter.
- Voltage are dc with respect to ground unless otherwise noted.
- Voltage variations may be noted due to normal production tolerances.
- All voltages are in V.
- * :Cannot be measured.
- Circled numbers are waveform references.

• :B + bus.

• • • • :B – bus.

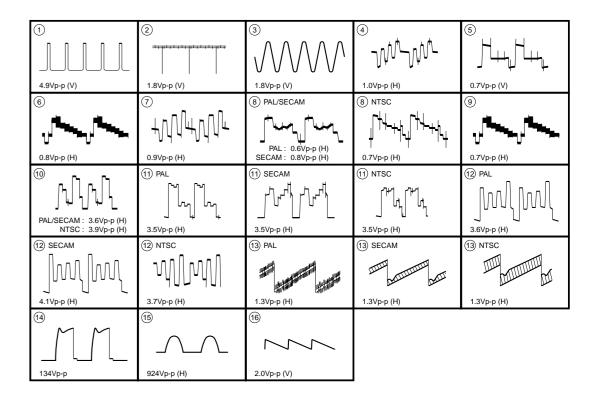
• ⇒ :signal path.

Reference information

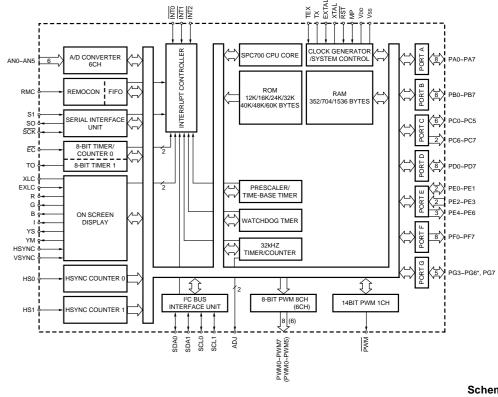
RESISTOR	: RN	ME IAL FILM
	: RC	SOLID
	: FPRD	NONFLAMMABLE CARBON
	: FUSE	NONFLAMMABLE FUSIBLE
	: RS	NONFLAMMABLE METAL OXIDE
	: RB	NONFLAMMABLE CEMENT
	: RW	NONFLAMMABLE WIREWOUND
	: ※	ADJUSTMENT RESISTOR
COIL	: LF-8L	MICRO INDUCTOR
CAPACITOR	: TA	TANTALUM
	: PS	STYROL
	: PP	POLYPROPYLENE
	: PT	MYLAR
	: MPS	METALIZED POLYESTER
	: MPP	METALIZED POLYPROPYLENE
	: ALB	BIPOLAR
	: ALT	HIGH TEMPERATURE
	: ALR	HIGH RIPPLE

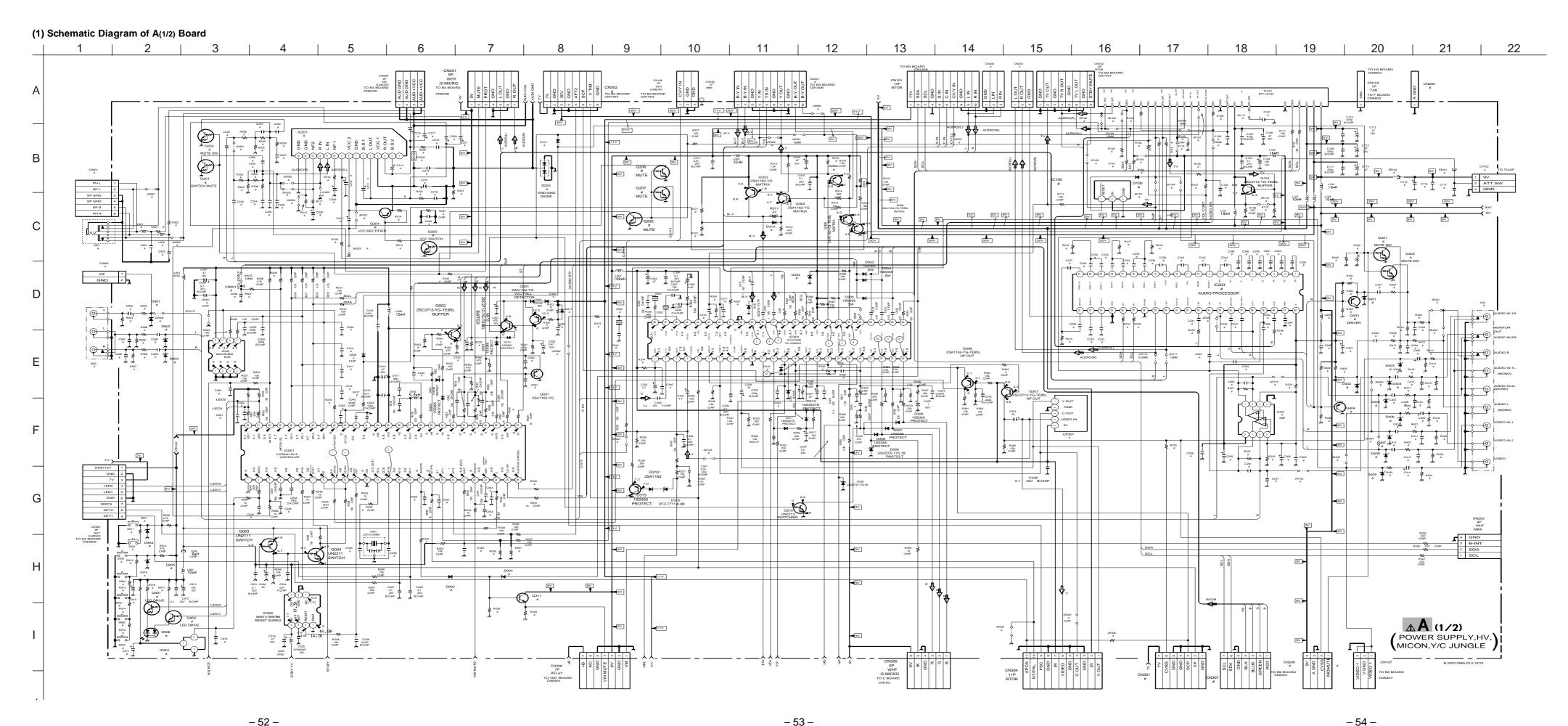
Note: The component identified by shading and mark \triangle are critical for safety. Replace only with part number specified.

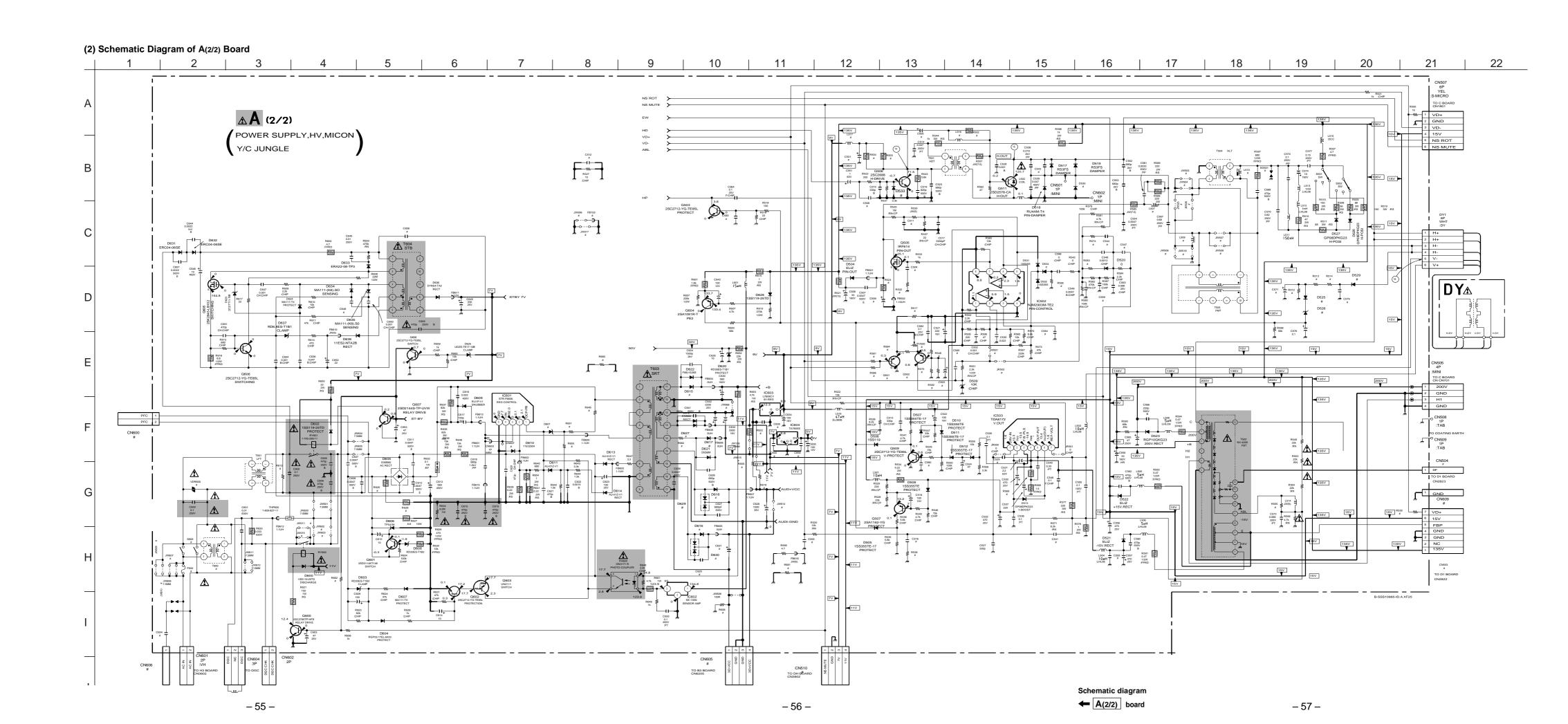
A BOARD WAVEFORMS

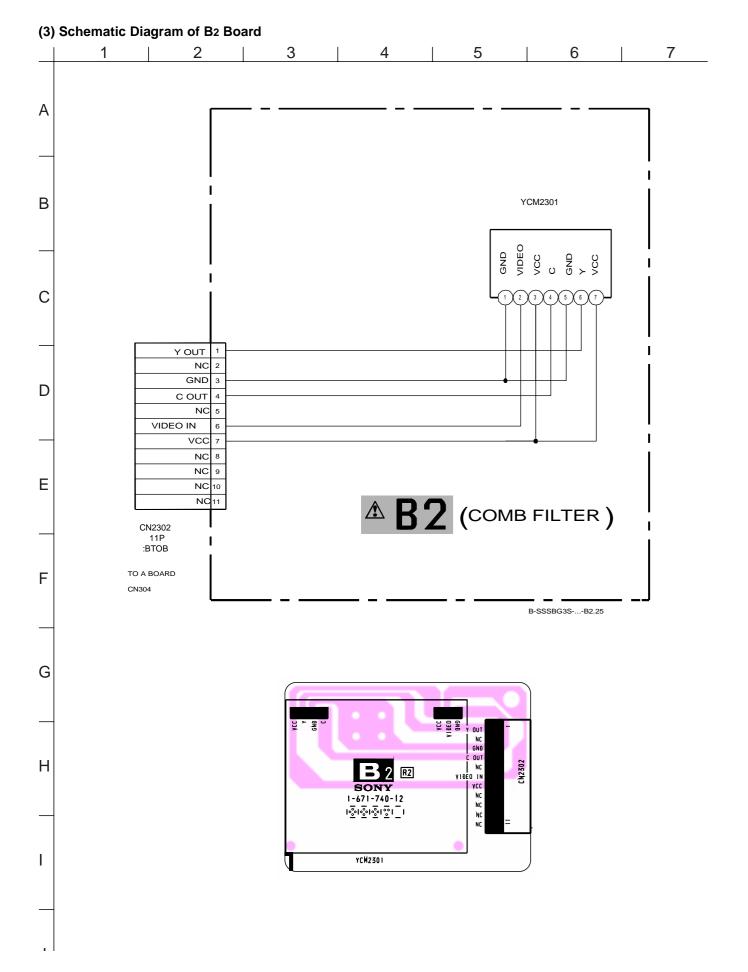


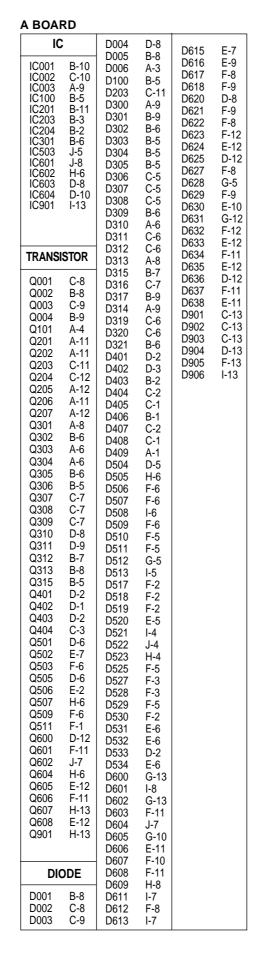
A BOARD IC001 CXP86461-621S

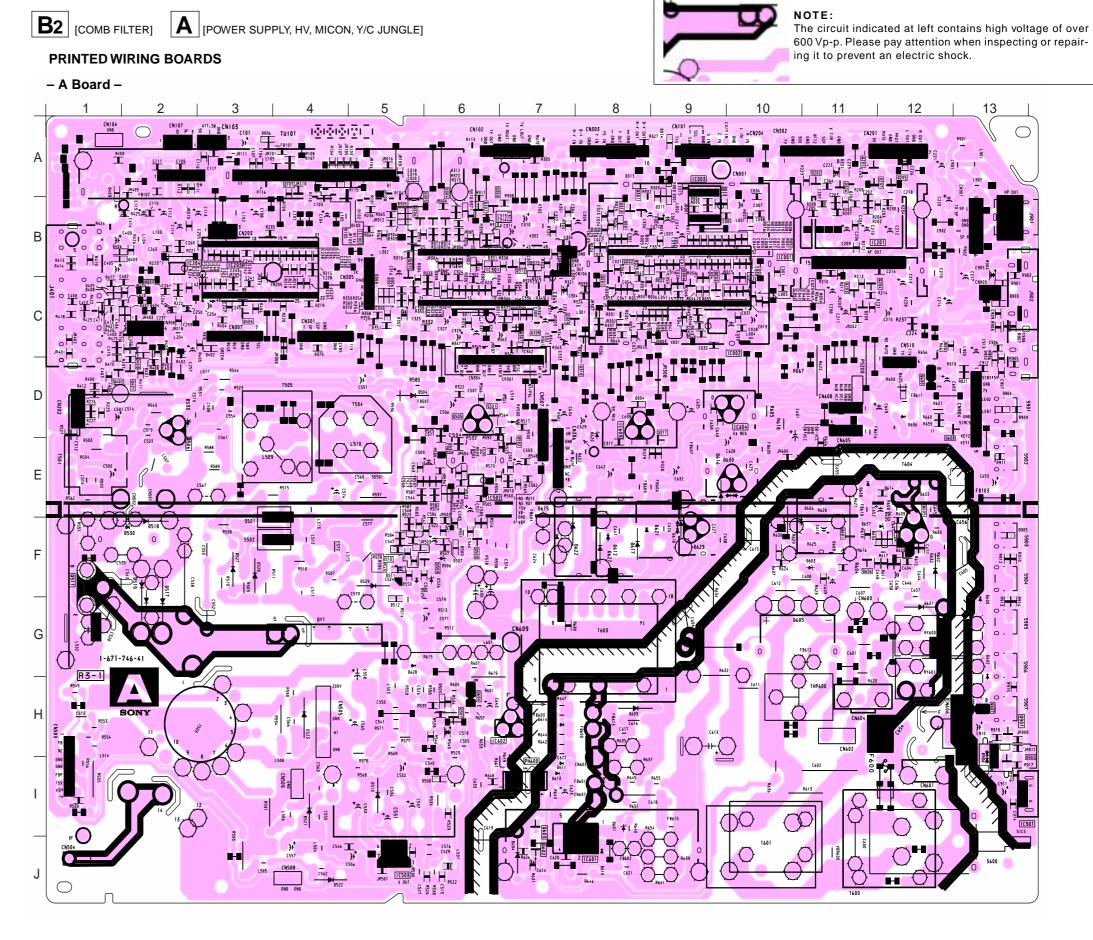


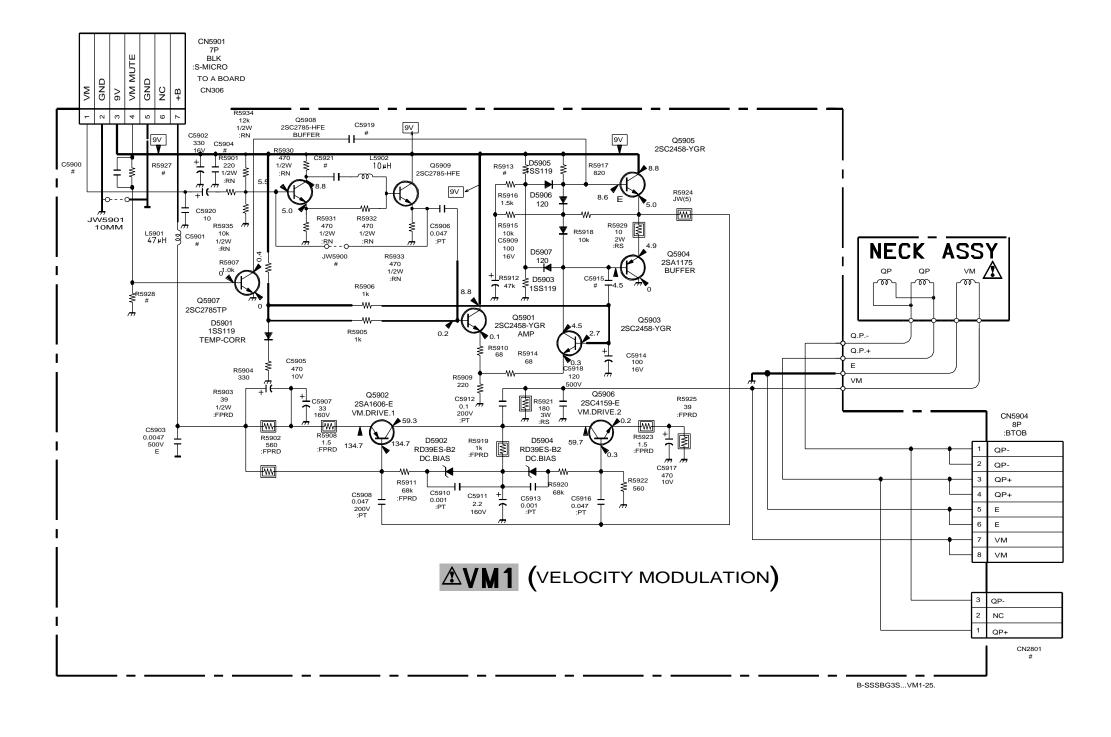


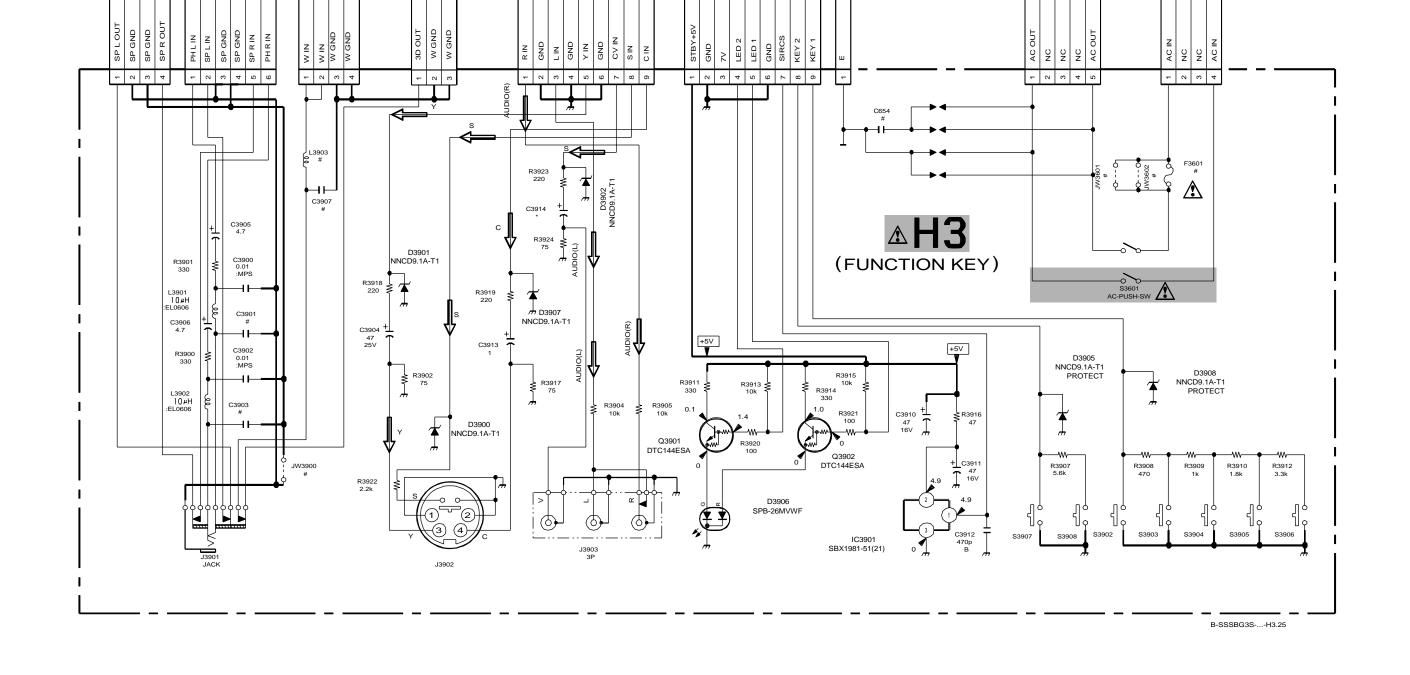










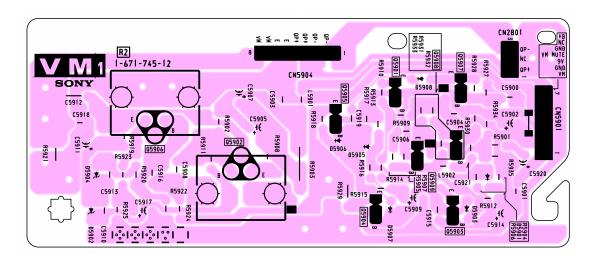


PRINTED WIRING BOARDS

VM1 [VELOCITY MODULATION]

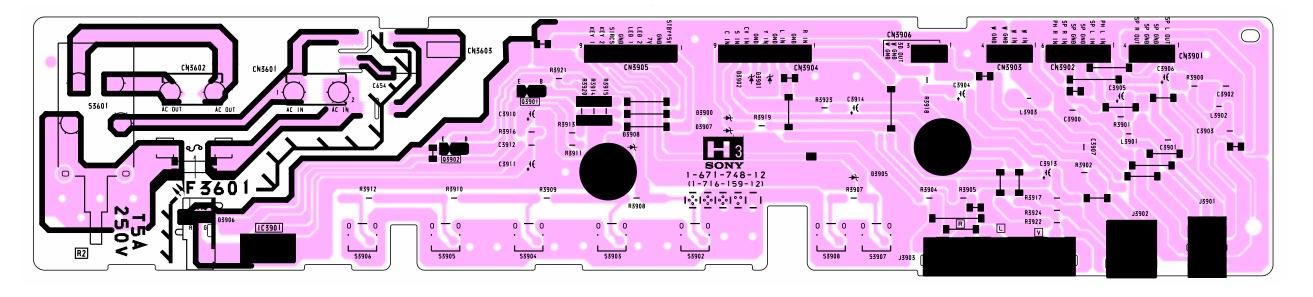
H3 [FUNCTION KEY]

- VM1 Board -



– H3 Board –

4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30



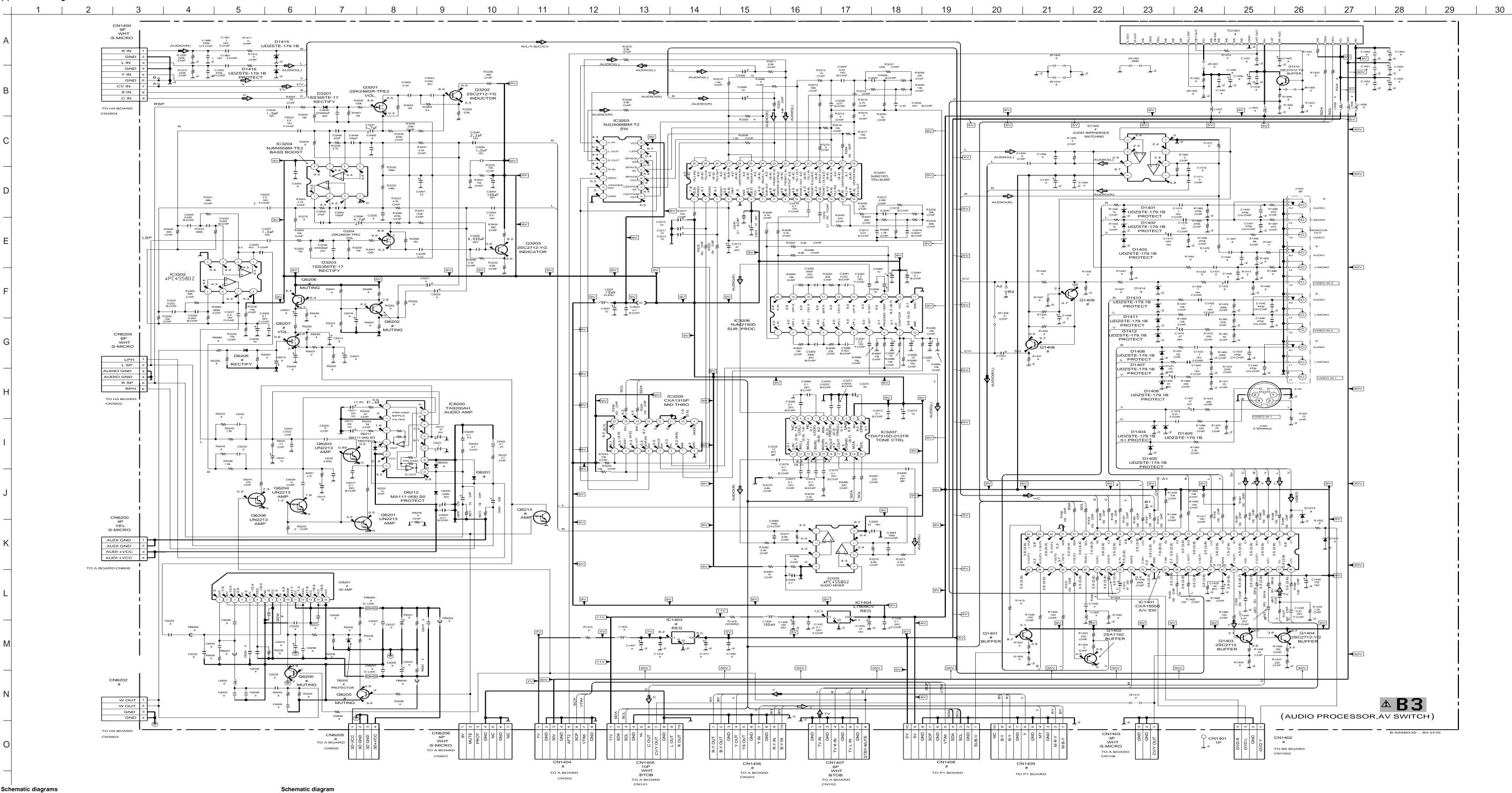
-61 - -63 -

← H₃ VM₁ boards

– 65 **–**

B3 board →

- 66 -



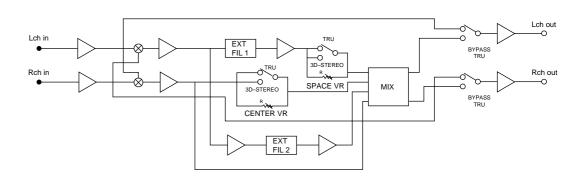
– 67 **–**

- 68 -

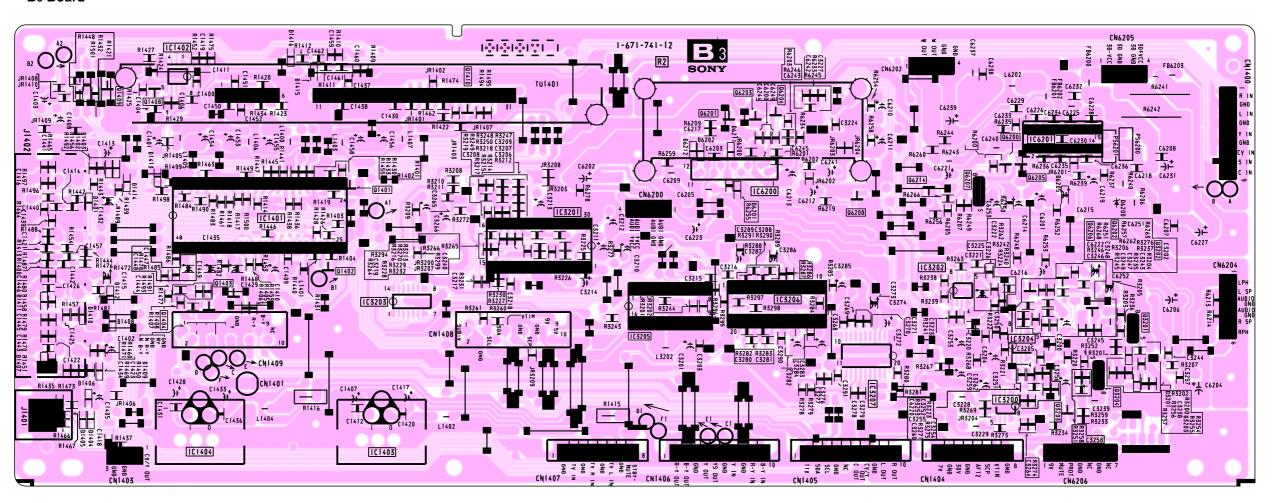
PRINTED WIRING BOARD

B3 [AUDIO PROSESSOR, AV SWITCH]

B₃ BOARD IC3201 NJM2187L

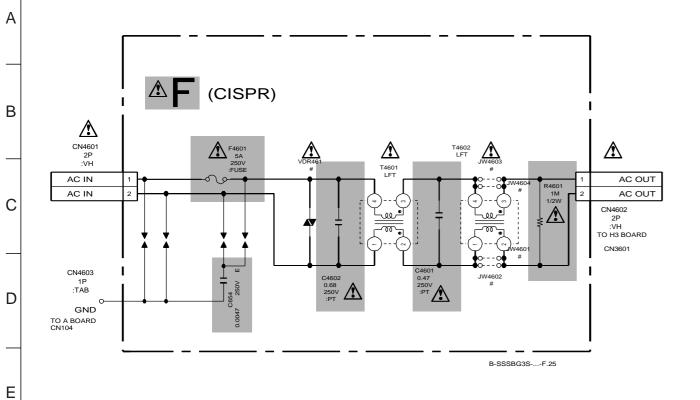


- B3 Board -

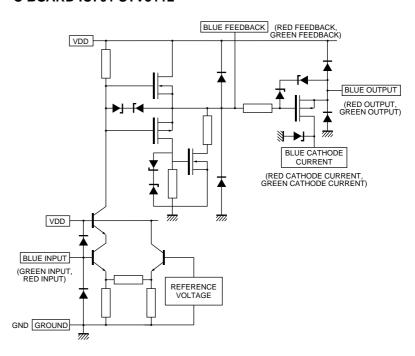


(6) Schematic Diagram of F Board





C BOARD IC701 STV5112

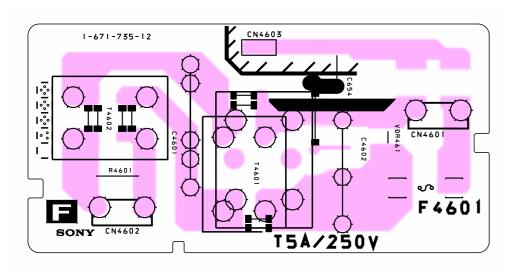


PRINTED WIRING BOARD

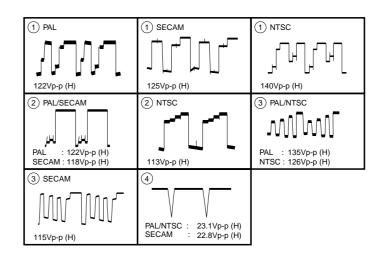


G

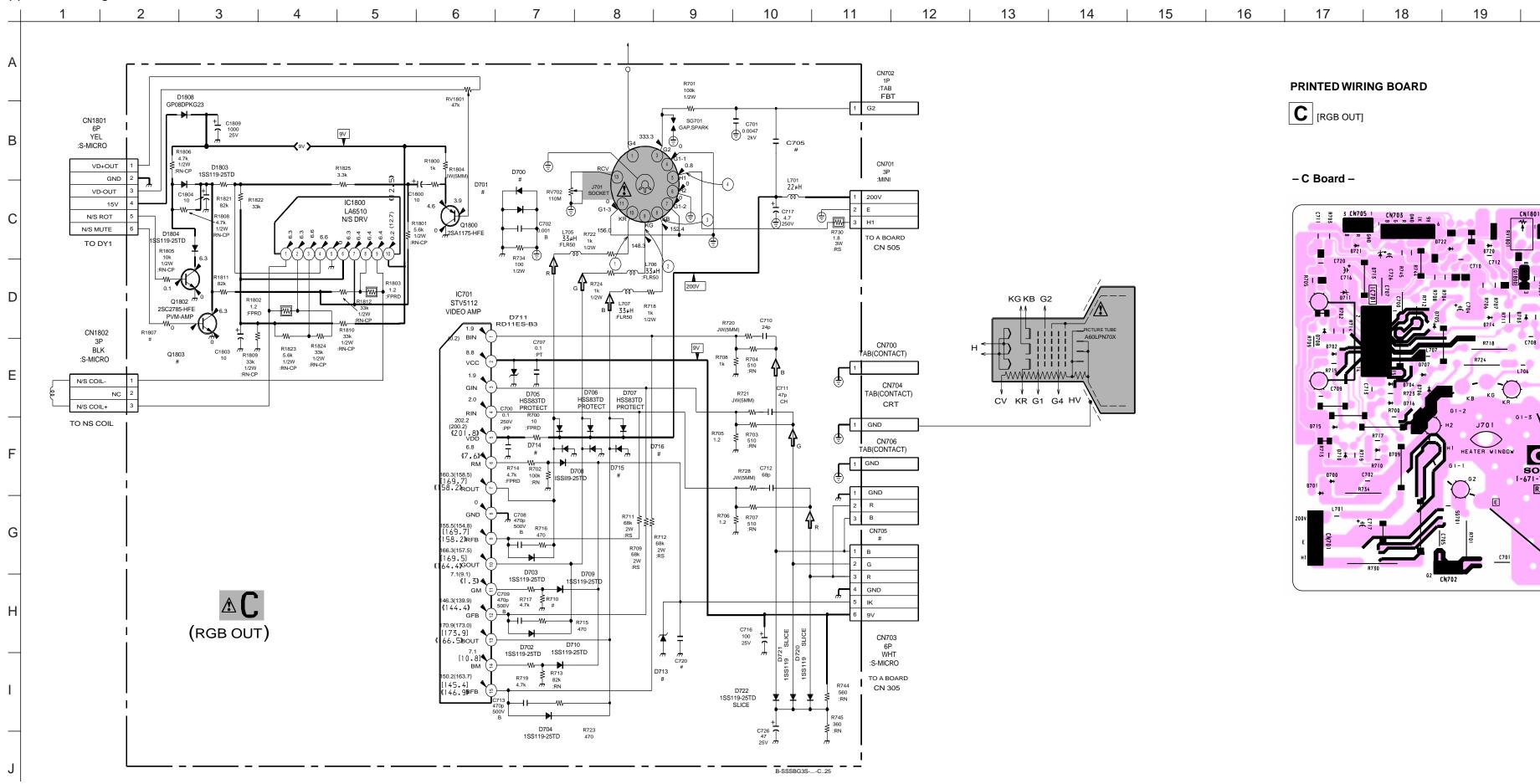
- F Board -



C BOARD WAVEFORMS



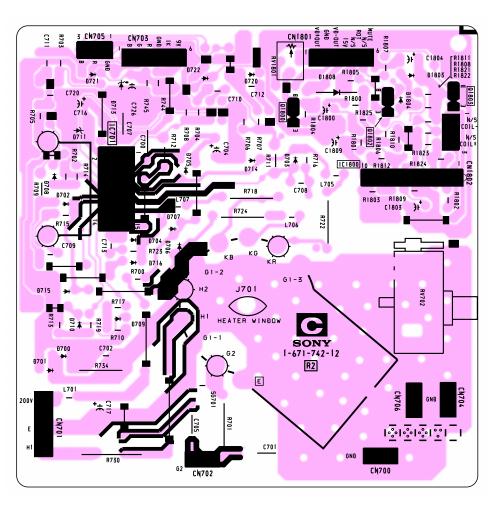
(7) Schematic Diagram of C Board



PRINTED WIRING BOARD



- C Board -



20 | 21 |

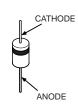
22

– 74 –

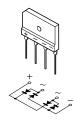
5-5. SEMICONDUCTORS

DIODE

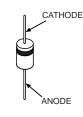
AU-01Z-V1 EL1Z ERA22-08 GP08D NNCD9.1A-T1 RD33EB3T RGP02-17EL-6433



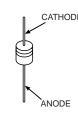
D3SB60



ERC04-06SE HSS8370 RS3FS RU4AM-T4



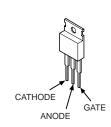
D1NS4 RD11ES-B3 RD20ES-B2 RD30ESB2 RD39ES-B2 RD6.8ES-B1 1SS119-25 11EQSO4 11ES2-7B5



DTZ-TT11-15B DTZ-1111-15B DTZ10B MA111-(K8).S0 UDZS-TE17-5.1B UDZS-TE17-9.1B 1SS355TE-17



5P6M

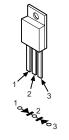


D3L60

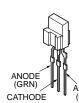


D5S6M





LED



FMX-12S



SPB-26MVWF



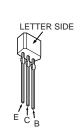


TRANSISTOR

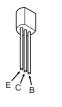




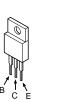
DTC144ESA 2SA1175-HFE 2SC2785-HFE

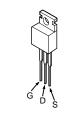


2SA1091-0



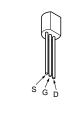
2SA1606-E 2SC4159-E



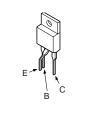


2SK246-GR

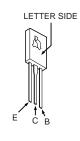
IRF614



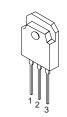
2SK2845-LB102



2SC2688-LK



2SD2578-CA

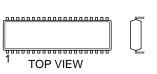


2SC2458-YGR 2SD2144S-UVW



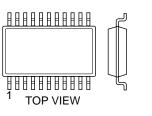
IC

CXA11315P (16PIN) CXA1855S (48PIN) CXA2139S (64PIN) CXP86461-621S (64PIN) M24C08-BN6(8PIN) NJM2150D (20PIN) NJM2187L (30PIN) STV5112 (15PIN)



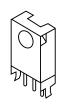
Dual In-line Package Pin 6~98





Small Out-line L-leaded Package Pin 8~98

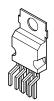




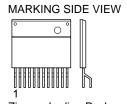
SE-135N



TDA8172

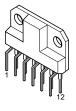


STR-F6656



Zig-zag In -line Package Pin 6~99





LA6510



NJM7809-FA TA7805S



SECTION 6 EXPLODED VIEWS

NOTE:

- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remark column.

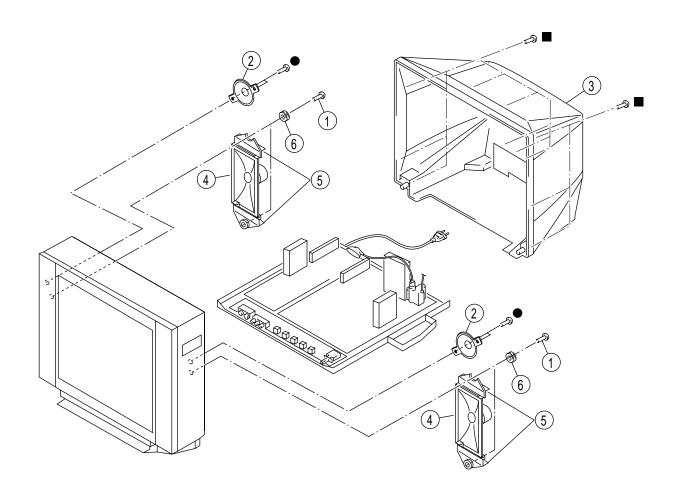
 Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by shading and mark $\boldsymbol{\triangle}$ are critical for safety.

Replace only with part number specified.

6-1. SPEAKER BRACKET

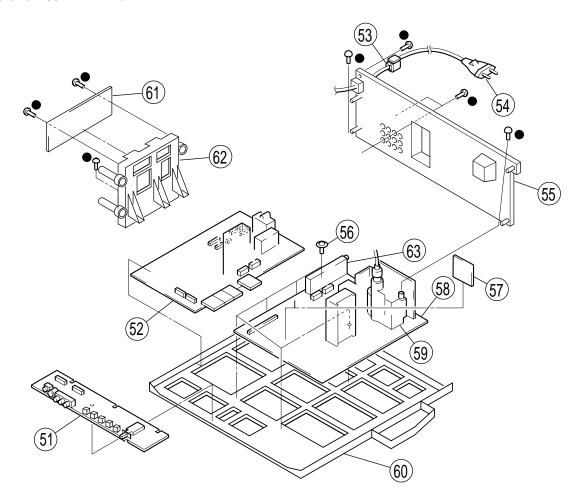
■: 7-685-663-71 SCREW +BVTP 4 × 16 •: 7-685-648-79 SCREW +BVTP 3 × 12



REF.	NO. PART NO.	DESCRIPTION	REMARK
1	4-302-404-03	SCREW (WASHER HEAD) (+P 4X16)	
2	1-529-190-11	SPEAKER (5CM)	
3	△ 4-065-571-01	COVER, REAR	
4	1-503-902-11	SPEAKER (15 x 6.5CM)	
5	4-046-981-02	BRACKET, SPEAKER	
6	* 4-038-987-11	CUSHION SPEAKER	

6-2. CHASSIS

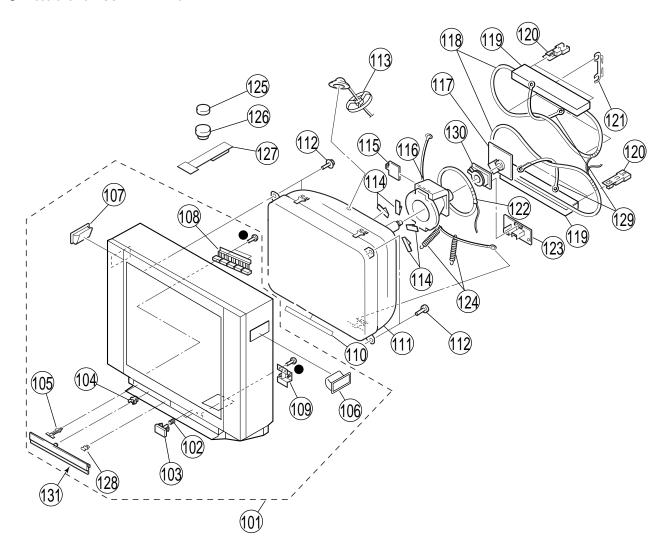
●: 7-685-648-79 SCREW BVTP 3 × 12



REF. NO	. PART NO.	DESCRIPTION	REMARK
51 ;	* A-1372-866-A	H3 BOARD, MOUNTED	
52 ;	* A-1136-131-A	B3 BOARD, COMPLETE	
53 ₫	4-022-115-21	HOLDER, AC CORD	
54 ₫	1-574-062-61	CORD, POWER (WITH CONNECTOR) 2	.5A/250V
55	4-066-684-22	BRACKET, TERMINAL	
56	4-046-797-01	SCREW (3X12), (+)BVTAP	
57 ;	* A-1131-417-A	B2 BOARD, MOUNTED	
58 ;	* A-1299-314-A	A BOARD, COMPLETE	
59 ₫	1-453-284-11	TRANSFORMER ASSY, FLYBACK (NX	K-4009//M3I4)
60 ;	* 4-066-681-04	BRACKET, MAIN	
61 ;	* A-1241-361-A	F BOARD, MOUNTED	
62 ;	* 4-066-682-01	BRACKET, F PWB	
63	8-598-449-10	TUNER, FSS BTF-LG433	

6-3. PICTURE TUBE

●: 7-685-648-79 SCREW BVTP 3 × 12



REF. NO.	PART NO.	DESCRIPTION	REMARK
101	X-4038-159-2	BEZNET ASSY 10	02-109, 128, 131
102	4-036-405-11	SPRING, COMPRESSION	
103	4-065-508-01	BUTTON, POWER	
104	4-047-464-01	CATCHER, PUSH	
105	4-067-062-01	DAMPER (2P)	
106	X-4035-862-4	HANDLE ASSY (R)	
107	X-4035-861-4	HANDLE ASSY (L)	
108	4-065-509-01	BUTTON, CONTROL	
109 *	4-065-510-01	GUIDE, LIGHT	
110	4-054-468-01	SHEET, BLOTTING	
111 🛆	8-733-250-05	PICTURE TUBE (A60LPN70X)	
112	4-046-765-01	SCREW, TAPPING 7+CROWN WA	SHER
113 *	3-704-372-41	HOLDER, HV CABLE	
114	4-046-600-11	SPACER, DY	
115	4-057-714-01	PIECE ASSY, TLH CORRECTION	

REF. N	NO. PART NO.	DESCRIPTION	REMARK
116	△ 1-451-475-11	DEFLECTION YOKE (Y25RSA)	
117	* A-1331-911-A	C BOARD, MOUNTED	
118	₾ 1-403-619-81	COIL, DEMAGNETIZATION	
119	* 4-069-320-01	CUSHION (50X290), DGC	
120	* 4-065-572-01	CLIP (25RSN), DGC	
121	4-061-369-01	HOLDER, DEGAUSE COIL	
122	1-452-896-61	COIL, NA ROTATION (RT-200)	
123	* A-1342-476-A	VM1 BOARD, MOUNTED	
124	4-369-318-61	SPRING, TENSION	
125	1-452-032-00	MAGNET,DISC	
126	1-452-014-11	CIRCULAR DISC MAGNET B	
127	4-051-734-42	PIECE B(120), CONV. CORRECT	
128	4-032-761-01	SHAFT (S), DOOR	
129	4-068-028-22	BAND, DGC	
130	8-453-011-21	NA299-S	
131	4-070-385-51	DOOR, CONTROL	

SECTION 7 ELECTRICAL PARTS LIST



NOTE:

The components identified by shading and mark \triangle are critical for safety. Replace only with part number specified.

When indicating parts by reference number, please include the board name.

- \bullet Items marked " * " are not stocked since they $\quad \bullet \quad$ All resistors are in ohms are seldom required for routine service. • F: nonflammable Some delay should be anticipated when ordering these items.
- All variable and adjustable resistors have characteristic curve B, unless otherwise

CAPACITORS

• MF: μF, PF:μμF

COILS

• MMH : mH, UH : μ H

REF.N	O. PART NO.	DESCRIPTION			REMARK	REF.NO.	PART NO.	DESCRIPTION			REMARK
	* A-1299-314-A	A BOARD COMP	LETE			C303	1-125-798-91	ELECT	0.47UF	20.00%	663V
		******	****			C304	1-126-967-11	ELECT	47UF	20.00%	650V
	1-466-162-42	BLOCK, COM FIL	TER (CFB-4))		C305	1-164-004-51	CERAMIC CHIP	0.1UF	10.00%	625V
	* 4-040-983-41	TERMINAL BOAI	RD (D)			C306	1-163-233-51	CERAMIC CHIP	18PF	5.00%	50V
	4-382-854-11	SCREW (M3X10),	P, SW (+)			C307	1-163-233-51	CERAMIC CHIP	18PF	5.00%	
	4-382-854-21	SCREW (M3X14),	P, SW (+)			C308	1-163-125-00	CERAMIC CHIP	220PF	5.00%	50V
						C309	1-126-957-11	ELECT	0.22UF	20.00%	50V
		<capacitor></capacitor>				C311	1-125-797-91	ELECT	10UF	20.00%	6 50V
						C312	1-164-346-51	CERAMIC CHIP	1UF	10%	16V
C004	1-163-001-51	CERAMIC CHIP	220PF	10%	50V	C313	1-164-346-51	CERAMIC CHIP	1UF	10%	16V
C005	1-163-001-51	CERAMIC CHIP	220PF	10%	50V	C315	1-164-004-51	CERAMIC CHIP	0.1UF	10.00%	625V
C006	1-164-004-51	CERAMIC CHIP	0.1UF	10.00%	5 25V	C316	1-104-664-11	ELECT	47UF	20.00%	625V
C007	1-104-664-11	ELECT	47UF	20.00%	16V						
C013	1-164-232-11	CERAMIC CHIP	0.01UF	10.00%	50V	C317	1-164-004-51	CERAMIC CHIP	0.1UF	10.00%	625V
						C318	1-163-031-11	CERAMIC CHIP	0.01UF		50V
C014	1-104-664-11	ELECT	47UF	20.00%	25V	C319	1-163-031-11	CERAMIC CHIP	0.01UF		50V
C015	1-163-009-11	CERAMIC CHIP	0.001UF	10.00%	550V	C320	1-163-031-11	CERAMIC CHIP	0.01UF		50V
C016	1-163-243-11	CERAMIC CHIP	47PF	5.00%	50V	C322	1-163-005-51	CERAMIC CHIP	470PF	10%	50V
C017	1-163-113-00	CERAMIC CHIP	68PF	10%	50V						
C019	1-104-664-11	ELECT	47UF	20.00%		C323	1-126-965-11	ELECT	22UF	20.00%	650V
						C324	1-163-017-00	CERAMIC CHIP	0.0047UF	10.00%	
C022	1-163-227-51	CERAMIC CHIP	10PF	0.50PF	50V	C325	1-125-799-91	ELECT	1UF	20.00%	
C023	1-163-227-51	CERAMIC CHIP	10PF	0.50PF	50V	C327	1-126-965-11	ELECT	22UF	20.00%	
C024	1-163-227-51	CERAMIC CHIP	10PF	0.50PF		C328	1-164-004-51	CERAMIC CHIP	0.1UF	10.00%	
C026	1-164-004-51	CERAMIC CHIP	0.1UF	10.00%	25V						
C027	1-164-004-51	CERAMIC CHIP	0.1UF	10.00%		C329	1-126-965-11	ELECT	22UF	20.00%	
						C330	1-164-004-51	CERAMIC CHIP	0.1UF	10.00%	625V
C028	1-163-037-11	CERAMIC CHIP	0.022UF	10.00%	I	C331	1-125-805-91	ELECT	4.7UF	20.00%	650V
C030	1-126-965-11	ELECT	22UF	20.00%		C332	1-125-805-91	ELECT	4.7UF	20.00%	
C031	1-164-004-51	CERAMIC CHIP	0.1UF	10.00%	I	C335	1-164-004-51	CERAMIC CHIP	0.1UF	10.00%	625V
C032	1-107-823-51	CERAMIC CHIP	470000PF	10%	16V						
C034	1-163-031-11	CERAMIC CHIP	0.01UF		50V	C336	1-164-004-51	CERAMIC CHIP	0.1UF	10.00%	
						C337	1-125-800-91	ELECT	2.2UF	20.00%	
C041	1-163-251-11	CERAMIC CHIP	100PF	5.00%		C338	1-163-017-00	CERAMIC CHIP	0.0047UF	10.00%	
C042	1-163-251-11	CERAMIC CHIP	100PF	5.00%	I	C341	1-115-340-51	CERAMIC CHIP	0.22UF	10.00%	
C043	1-163-251-11	CERAMIC CHIP	100PF	5.00%	I	C342	1-163-125-00	CERAMIC CHIP	220PF	5.00%	50V
C044	1-163-251-11	CERAMIC CHIP	100PF	5.00%							
C047	1-163-251-11	CERAMIC CHIP	100PF	5.00%	50V	C502	1-163-275-11	CERAMIC CHIP	0.001UF	5.00%	
						C506	1-107-638-11	ELECT	33UF	20.00%	
C103	1-164-004-51	CERAMIC CHIP	0.1UF	10.00%		C507	1-161-830-00	CERAMIC	0.0047UF		500V
C104	1-104-665-11	ELECT	100UF	20.00%		C510	1-102-112-00	CERAMIC	330PF	10.00%	
C107	1-163-005-51	CERAMIC CHIP	470PF	10%	50V	C513	1-163-263-51	CERAMIC CHIP	330PF	10%	50V
C108	1-104-664-11	ELECT	47UF	20.00%							
C109	1-163-005-51	CERAMIC CHIP	470PF	10%	50V	C514 C517	1-106-383-00 1-164-182-11	MYLAR CERAMIC CHIP	0.047UF 3300PF	10.00% 10%	50V 50V
C110	1-163-005-51	CERAMIC CHIP	470PF	10%	50V	C517 C518	1-104-162-11	ELECT	100UF	20.00%	
C110	1-163-005-51	CERAMIC CHIP	470PF 470PF	10%	50V 50V	C518 C519	1-104-005-11	CERAMIC	820PF	10.00%	
C111	1-103-003-31	ELECT	470FF 47UF	20.00%		C519 C521	1-102-212-00	ELECT	220UF	20.00%	
C112	1-104-664-11	ELECT	47UF 47UF	20.00%		CJ21	1-140-734-11	LLLCI	2200F	20.00%	0 1 O V
C113	1-126-967-11	ELECT	47UF 47UF	20.00%		C522	1-126-933-11	ELECT	100UF	20.00%	6.16V
C114	1-120-707-11	LLECT	+/01	20.00%) JU V	C522 C523	1-120-933-11	CERAMIC	680PF	10.00%	
C300	1-164-505-11	CERAMIC CHIP	2.2UF		16V	C523 C524	1-102-002-00	ELECT	47UF	20.00%	
C300	1-126-935-11	ELECT	2.20F 470UF	20.00%		C524 C526	1-120-967-11	MYLAR	4/UF 0.1UF	5.00%	
C301	1-120-935-11	CERAMIC CHIP	4700F 470PF		50V						
C302	1-103-003-31	CERAINIC CHIP	4/UPF	10%	20 V	C527	1-102-820-00	CERAMIC	330PF	5.00%	JU V



REF.NC	D. PART NO.	DESCRIPTION		REMARK	REF.NO.	PART NO.	DESCRIPTION		REMARK
C528	1-161-754-00	CERAMIC	0.001UF	10.00% 2KV	C619 /	1-119-886-51	CERAMIC	470PF	10.00% 250V
C530	1-137-372-11	MYLAR	0.022UF	5.00% 50V	C620	1-163-133-00	CERAMIC CHIP	470PF	10% 50V
C531	1-125-800-91	ELECT	2.2UF	20.00% 63V	C621	1-102-114-00	CERAMIC	470PF	10.00% 50V
C532	1-126-941-11	ELECT	470UF	20.00% 25V	C021	1 102 114 00	CERTIFIC	47011	10.00/030 ¥
C533	1-126-941-11	ELECT	470UF	20.00% 25V	C622	1-102-119-00	CERAMIC	0.0015UF	10.00% 50V
					C623	1-104-665-11	ELECT	100UF	20.00% 25V
C536	1-136-165-00	MYLAR	0.1UF	5.00% 50V	C624	1-125-772-91	CERAMIC	1500PF	10.00% 2KV
C537	1-126-969-11	ELECT	220UF	20.00% 50V	C626	1-102-002-00	CERAMIC	680PF	10.00% 500V
C538	1-136-617-11	FILM	0.019UF	3.00% 2KV	C627	1-102-002-00	CERAMIC	680PF	10.00% 500V
C539	1-130-959-61	FILM	0.047UF	5.00% 400V					
C540	1-136-171-00	MYLAR	0.33UF	5.00% 50V	C628	1-126-952-11	ELECT	1000UF	20.00% 35V
0516		ann i ria arm	0.477	70TT	C629	1-125-797-91	ELECT	10UF	20.00% 50V
C546	1-165-319-11	CERAMIC CHIP	0.1UF	50V	C630	1-125-494-11	ELECT(BLOCK) :		20.00% 160V
C548	1-163-143-00	CERAMIC CHIP	0.0012UF	5.00% 50V	C632	1-128-339-11	ELECT	2200UF	20.00% 16V
C549	1-163-017-00 1-106-220-00	CERAMIC CHIP	0.0047UF 0.1UF	10.00% 50V 10.00% 100V	C633	1-104-999-11	MYLAR	0.1UF	10.00% 200V
C550 C551	1-106-220-00	MYLAR ELECT	0.10F 1UF	20.00% 63V	9604	1 10 5 000 11	DI DOM	10077	20.000.4.77
C331	1-123-199-91	ELECT	101	20.0070 03 V	C634	1-126-933-11	ELECT	100UF	20.00% 16V
C552	1-162-116-00	CERAMIC	680PF	10.00% 2KV	C635	1-104-665-11	ELECT	100UF	20.00% 10V
C553	1-162-116-00	CERAMIC	680PF	10.00% 2KV	C636	1-104-760-51	CERAMIC CHIP	0.047UF	10.00% 50V
C554	1-137-417-11	MYLAR	0.0047UF	10.00% 200V	C641	1-102-002-00	CERAMIC	680PF 2200UF	10.00% 500V
C556	1-126-941-11	ELECT	470UF	20.00% 25V	C642	1-107-890-11	ELECT	2200UF	20.00% 25V
C557	1-126-941-11	ELECT	470UF	20.00% 25V	C642	1 104 665 11	ELECT	100UF	20.000/ 103/
0007	1 120 / 11 11	LLL01	.,,,,,	20.007025	C643 C644	1-104-665-11 1-104-331-11	CERAMIC	0.0022UF	20.00% 10V 10.00% 1KV
C558	1-123-024-21	ELECT	33UF	160V	C645	1-104-331-11	MYLAR	0.002201 0.01UF	10.00% 1KV 10.00% 250V
C560	1-102-228-00	CERAMIC	470PF	10.00% 500V	C646	1-107-679-91	ELECT	10UF	20.00% 450V
C561	1-129-708-91	FILM	0.0033UF	5.00% 630V	C647	1-163-275-11	CERAMIC CHIP	0.001UF	5.00% 50V
C562	1-102-228-00	CERAMIC	470PF	10.00% 500V	C047	1 103 273 11	CERTIFIC CITI	0.00101	3.0070 30 v
C563	1-164-344-11	CERAMIC CHIP	0.068UF	10.00% 25V	C649	1-126-940-11	ELECT	330UF	20.00% 25V
					C650	1-163-275-11	CERAMIC CHIP	0.001UF	5.00% 50V
C564	1-163-038-00	CERAMIC CHIP	0.1UF	25V	C651	1-163-133-00	CERAMIC CHIP	470PF	10% 50V
C565	1-107-655-11	ELECT	47UF	20.00% 250V	C652	1-126-965-11	ELECT	22UF	20.00% 50V
C566	1-102-244-00	CERAMIC	220PF	10.00% 500V	C653	1-104-664-11	ELECT	47UF	20.00% 25V
C567	1-115-520-11	FILM	0.68UF	5.00% 250V					
C568	1-102-228-00	CERAMIC	470PF	10.00% 500V	C655 A	△ 1-119-886-51	CERAMIC	470PF	10.00% 250V
					C657	1-101-821-00	CERAMIC	0.0022UF	500V
C570	1-115-521-11	FILM	0.82UF	5.00% 250V	C912	1-164-004-51	CERAMIC CHIP	0.1UF	10.00% 25V
C572	1-107-846-11	FILM	0.1UF	5.00% 250V	C913	1-104-665-11	ELECT	100UF	20.00% 10V
C573	1-106-387-00	MYLAR	0.068UF	10.00% 200V					
C574 C576	1-107-636-11 1-130-495-00	ELECT MYLAR	10UF 0.1UF	20.00% 160V 5.00% 50V					
C370	1-130-493-00	MILAK	0.101	3.00% 30 V			<connector></connector>		
C577	1-106-395-00	MYLAR	0.15UF	10.00% 200V	CN1101	* 1 770 900 11	CONNECTOR DO	AND TO DO	MDD 10D
C582	1-164-004-51	CERAMIC CHIP	0.1UF	10.00% 25V		* 1-779-890-11 * 1-779-889-11	CONNECTOR, BO		
C586	1-216-295-61	SHORT CHIP	0			1-695-915-11			AND or
C600	△ 1-104-705-11	MYLAR	0.1UF	20.00% 250V	l	* 1-508-784-21	PIN, CONNECTO		TH) 1P
C601	1-130-338-91	FILM	0.01UF	5.00% 630V		* 1-564-506-11	PLUG, CONNECT	*	211) 11
					011100	100.00011	1200,00111201	01101	
C602	△ 1-104-705-11	MYLAR	0.1UF	20.00% 250V	CN201	* 1-564-508-11	PLUG, CONNECT	OR 5P	
C603	1-104-664-11	ELECT	47UF	20.00% 25V	CN202	* 1-508-847-00	PIN, CONNECTO	R 4P	
C604	1-163-009-11	CERAMIC CHIP	0.001UF	10.00% 50V	CN304	* 1-766-955-11	CONNECTOR, BO		ARD 11P
C605	₾ 1-119-886-51	CERAMIC	470PF	10.00% 250V	CN305	* 1-564-509-11	PLUG, CONNECT		
C606	₾ 1-119-886-51	CERAMIC	470PF	10.00% 250V	CN501	* 1-508-784-21	PIN, CONNECTO	R (5MM PITO	CH) 1P
					CNIFOO	* 1 500 704 01	DIN CONNECTO	D /53 (3.4 DITT/	CIL) 1D
C607	1-161-830-00	CERAMIC	0.0047UF	99% 500V		* 1-508-784-21	PIN, CONNECTO	*	,
C608	1-161-830-00	CERAMIC	0.0047UF	99% 500V	CN505	1-508-766-00	PIN, CONNECTO	*	JH) 4P
C609	1-126-968-11	ELECT	100UF	20.00% 50V	CN507 CN508	* 1-564-509-11 1-695-915-11	PLUG, CONNECT TAB (CONTACT)	OK OP	
C610	1-125-797-91	ELECT	10UF	20.00% 50V	CN508	1-695-915-11	TAB (CONTACT)		
C611	1-161-830-00	CERAMIC	0.0047UF	99% 500V	C11307	1-0/5-/15-11	IAB (CONTACT)		
C612	1 161 920 00	CEDAMIC	0.00471115	000/ 5001	CN601	* 1-580-843-11	PIN, CONNECTO	R (POWER)	
C612 C613	1-161-830-00 1-125-906-11	CERAMIC ELECT	0.0047UF 560UF	99% 500V 20.00% 450V		* 1-508-786-00	PIN, CONNECTO	` /	CH) 2P
C613	1-125-797-91	ELECT	10UF	20.00% 430 V 20.00% 50 V		* 1-508-784-21	PIN, CONNECTO	*	*
						* 1-573-963-11	PIN, CONNECTO	*	*
C615 .	△ 1-119-886-51 1-130-202-00	CERAMIC FILM	470PF 0.022UF	10.00% 250V 5.00% 400V	CN608	* 1-564-507-11	PLUG, CONNECT	OR 4P	
C010	1-130-202-00	I.IPIAI	U.U22UF	J.0070 400Y					
C617	1-107-792-11	CERAMIC	100PF	5.00% 1KV	CN904	* 1-564-512-11	PLUG, CONNECT	OR 9P	
C618	1-125-893-11	FILM	680PF	3.00% 1.5KV					



REF.NO.	PART NO.	DESCRIPTION		REMARK	REF.NO.	PART NO.	DESCRIPTION		REMARK
		<diode></diode>			D618	8-719-067-18	DIODE RN4Z		
					D620	8-719-110-72	DIODE RD30ES-T	1R1	
D001	8-719-988-61	DIODE 1SS355TE-17			D621	8-719-071-38	DIODE D5S6M	101	
D001 D002	8-719-988-61	DIODE 1SS355TE-17 DIODE 1SS355TE-17			D622	8-719-071-30	DIODE D3L60		
							DIODE UDZ-TE-1	7 15D	
D005	8-719-988-61	DIODE 1SS355TE-17			D623	8-719-056-91	DIODE ODZ-TE-I	/-13B	
D006	1-216-295-61	SHORT CHIP 0			D (2.)	0.510.101.50	DIODE MALLE OF	0) 40	
D300	1-216-295-61	SHORT CHIP 0			D624	8-719-404-50	DIODE MA111-(K	,	
					D625	8-719-069-60	DIODE UDZS-TE1	7-10B	
D301	8-719-988-61	DIODE 1SS355TE-17			D627	8-719-067-18	DIODE RN4Z		
D303	8-719-988-61	DIODE 1SS355TE-17			D628	8-719-921-20	DIODE 1SS119-25		
D304	8-719-988-61	DIODE 1SS355TE-17			D631	8-719-068-00	DIODE ERC04-065	SE	
D305	8-719-988-61	DIODE 1SS355TE-17							
D306	8-719-988-61	DIODE 1SS355TE-17			D632	8-719-068-00	DIODE ERC04-065	SE	
					D633	8-719-948-45	DIODE ERA22-08	ГР3	
D307	8-719-988-61	DIODE 1SS355TE-17			D634	8-719-404-50	DIODE MA111-(K	8).S0	
D308	8-719-988-61	DIODE 1SS355TE-17			D635	8-719-016-74	DIODE 1SS352-TP	H3	
D309	8-719-069-54	DIODE UDZS-TE17-5.1B			D635	8-719-073-01	DIODE MA111-(K	8).S0	
D311	8-719-988-61	DIODE 1SS355TE-17							
D312	8-719-988-61	DIODE 1SS355TE-17			D636	8-719-510-02	DIODE D1NS4-TA	2	
					D637	8-719-109-96	DIODE RD6.8ES-7		
D313	8-719-988-61	DIODE 1SS355TE-17			D638	8-719-200-82	DIODE 11ES2-TB5		
D315	8-719-988-61	DIODE 1SS355TE-17			D 050	0 717 200 02	DIODE TIESE ID.	,	
D316	8-719-978-33	DIODE UDZS-TE17-6.8B							
D310 D320	8-719-069-60						<connector></connector>		
		DIODE UDZS-TE17-9.1B					CONNECTOR>		
D321	8-719-069-60	DIODE UDZS-TE17-9.1B			DV1 *	1 500 700 11	CONNECTOR DIN	(DV) (D	
D504	0.710.026.05	DIODE DODIOGRAGO			DY1 *	1-580-798-11	CONNECTOR PIN	(D1) 0P	
D504	8-719-936-85	DIODE RGP10GPKG23							
D505	8-719-988-61	DIODE 1SS355TE-17					DEDD MED DE LA		
D506	8-719-921-20	DIODE 1SS119-25TD					<ferrite bead<="" td=""><td>></td><td></td></ferrite>	>	
D507	8-719-988-61	DIODE 1SS355TE-17							
D508	8-719-988-61	DIODE 1SS355TE-17			FB501	1-410-397-21	FERRITE	1.1UH	
					FB502	1-410-397-21	FERRITE	1.1UH	
D509	1-216-073-61	RES-CHIP 10G	5%	1/10W	FB600	1-410-397-21	FERRITE	1.1UH	
D510	8-719-988-61	DIODE 1SS355TE-17			FB601	1-410-397-21	FERRITE	1.1UH	
D511	8-719-988-61	DIODE 1SS355TE-17			FB602	1-410-397-21	FERRITE	1.1UH	
D512	8-719-988-61	DIODE 1SS355TE-17							
D513	8-719-908-03	DIODE GP08DPKG23			FB603	1-410-397-21	FERRITE	1.1UH	
					FB604	1-412-911-31	FERRITE	0UH	
D517	8-719-312-71	DIODE RS3FS			FB605	1-412-911-31	FERRITE	0UH	
D518	8-719-074-35	DIODE RU4AM-T4			FB606	1-412-911-31	FERRITE	0UH	
D519	8-719-312-71	DIODE RS3FS			FB607	1-410-397-21	FERRITE	1.1UH	
D520	1-216-295-61	SHORT CHIP 0							
D521	8-719-936-85	DIODE RGP10GPKG23			FB608	1-412-911-31	FERRITE	0UH	
					FB611	1-410-397-21	FERRITE	1.1UH	
D522	8-719-936-85	DIODE RGP10GPKG23			FB612	1-410-397-21	FERRITE	1.1UH	
D523	8-719-936-85	DIODE RGP10GPKG23			FB613	1-410-397-21	FERRITE	1.1UH	
D527	8-719-908-03	DIODE GP08DPKG23			FB615	1-410-397-21	FERRITE	1.1UH	
D528	8-719-908-03	DIODE GP08DPKG23			1 2013	1 110 377 21	LIGHTE	1.1011	
D531	8-719-988-61	DIODE 1SS355TE-17							
D331	0-717-700-01	DIODE 1353331E-17					<ic></ic>		
D522	9 710 000 61	DIODE 199255TE 17					(IC)		
D532 D534	8-719-988-61 1-216-295-61	DIODE 1SS355TE-17 SHORT CHIP 0			IC001	8-752-905-64	IC CXP86461-6218	!	
)	
D600	8-719-921-20	DIODE 1SS119-25TD			IC002	8-759-371-21	IC MM1319AFBE		
D602	8-719-921-20	DIODE ISS119-25TD			IC003	8-759-527-71	IC M24C08-BN6		
D603	8-719-150-92	DIODE RD33ES-T1B2			IC301	8-752-090-41	IC CXA2139S		
					IC502	8-759-700-07	IC NJM2903M-TE	2	
D604	8-719-028-72	DIODE RGP02-17PKG23			*****	0.776	**************************************		
D605	8-719-510-27	DIODE D3SB60			IC503	8-759-980-58	IC TDA8172		
D606	8-719-108-18	DIODE TF541M			IC601	8-749-014-48	IC STR-F6656		
D607	8-719-404-50	DIODE MA111-TX			IC602	8-749-920-61	IC SE-135N		
D608	8-719-110-53	DIODE RD20ES-T1B2			IC603	8-759-701-59	IC L7809CV		
					IC604	8-759-231-53	IC L7805CV		
D609	8-719-075-79	DIODE BYV26E/23							
D610	8-719-210-21	DIODE 11EQS04-NTA1B							
D611	8-719-073-86	DIODE AU-01Z-V1					<chip conduct<="" td=""><td>OR></td><td></td></chip>	OR>	
D613	8-719-073-86	DIODE AU-01Z-V1							
D614	8-719-073-86	DIODE AU-01Z-V1			JR001	1-216-295-61	SHORT CHIP	0	
					JR002	1-216-295-61	SHORT CHIP	0	
				ı					



_	REF.NO.	PART NO.	DESCRIPTION		REMARK	REF.NO.	PART NO.	DESCRIPTION			REMARK
	JR004	1-216-295-61	SHORT CHIP	0		Q305	8-729-230-47	TRANSISTOR 2SA	1162 VC TE	051	
	JR004 JR005	1-216-295-61	SHORT CHIP	0		Q305 Q306	8-729-230-47	TRANSISTOR 2SA			
	JR005 JR006	1-216-295-61	SHORT CHIP	0		Q300	0-129-230-41	TRANSISTOR 257	11102-1 G-11	10JL	
	31000	1 210 273 01	brioki cim	O .		Q307	8-729-230-50	TRANSISTOR 2SO	~2712-YG-TE	851	
	JR007	1-216-295-61	SHORT CHIP	0		Q307 Q308	8-729-230-47	TRANSISTOR 2SA			
	JR008	1-216-295-61	SHORT CHIP	0		Q300 Q312	8-729-230-47	TRANSISTOR 2SA			
	JR010	1-216-295-61	SHORT CHIP	0		Q312 Q313	8-729-230-50	TRANSISTOR 2SO			
	JR012	1-216-295-61	SHORT CHIP	0		Q315 Q315	8-729-421-17	TRANSISTOR UN		OJL	
	JR014	1-216-295-61	SHORT CHIP	0		Q313	0-727-421-17	TRANSISTOR ON	2213-17 X		
	31(01+	1 210 273 01	brioki cim	O .		Q503	8-729-230-50	TRANSISTOR 2SO	~2712-YG-TE	851	
	JR015	1-216-295-61	SHORT CHIP	0		Q505 Q505	8-729-931-45	TRANSISTOR IRE		03L	
	JR016	1-216-295-61	SHORT CHIP	0		Q506	8-729-119-80	TRANSISTOR 2SO			
	JR102	1-216-295-61	SHORT CHIP	0		Q507	8-729-230-47	TRANSISTOR 2SA		851	
	JR109	1-216-295-61	SHORT CHIP	0		Q509	8-729-230-50	TRANSISTOR 2SO			
	JR301	1-216-295-61	SHORT CHIP	0		2007	0 /2/ 200 00	11411 (5151-614 254	2712 10 12	.002	
		1 210 270 01	5110111 01111	v		Q511	8-729-048-07	TRANSISTOR 2SI	D2578-CA		
	JR303	1-216-295-61	SHORT CHIP	0		Q600	8-729-139-96	TRANSISTOR 2SO		i	
		1-216-295-61	SHORT CHIP	0		Q601	8-729-023-22	TRANSISTOR 2SI			
	JR501	1-216-295-61	SHORT CHIP	0		Q602	8-729-230-50	TRANSISTOR 2SO		85L	
	JR503	1-216-295-61	SHORT CHIP	0		Q603	8-729-424-11	TRANSISTOR UN			
	JR600	1-216-295-61	SHORT CHIP	0		Ç					
		,		•		Q604	8-729-208-12	TRANSISTOR 2SA	A1091R-TPE2		
						Q605	8-729-044-30	TRANSISTOR 2SI			
			<coil></coil>			Q606	8-729-230-50	TRANSISTOR 2SO		85L	
			10012			Q607	8-729-922-37	TRANSISTOR 2SI			
	L002	1-414-856-11	INDUCTOR	10UH		Q608	8-729-230-50	TRANSISTOR 2SO			
	L003	1-414-180-11	INDUCTOR	3.3UH							
	L005	1-414-233-22	INDUCTOR CHIP								
	L102	1-414-856-11	INDUCTOR	10UH				<resistor></resistor>			
	L103	1-414-856-11	INDUCTOR	10UH							
						R001	1-414-233-22	INDUCTOR CHIP	0UH		
	L104	1-414-856-11	INDUCTOR	10UH		R002	1-216-025-61	RES-CHIP	100	5%	1/10W
	L105	1-414-856-11	INDUCTOR	10UH		R003	1-216-073-61	RES-CHIP	10G	5%	1/10W
	L301	1-414-189-31	INDUCTOR	100UH		R004	1-216-025-61	RES-CHIP	100	5%	1/10W
	L302	1-414-185-41	INDUCTOR	22UH		R005	1-216-025-61	RES-CHIP	100	5%	1/10W
	L501	1-412-525-31	INDUCTOR	10UH							
						R008	1-216-065-61	RES-CHIP	4.7K	5%	1/10W
	L502	1-422-613-11	COIL, AIR CORE			R010	1-216-065-61	RES-CHIP	4.7K	5%	1/10W
	L503	1-412-525-31	INDUCTOR	10UH		R011	1-216-065-61	RES-CHIP	4.7K	5%	1/10W
	L504	1-412-525-31	INDUCTOR	10UH		R012	1-216-065-61	RES-CHIP	4.7K	5%	1/10W
	L507	1-459-111-00	INDUCTOR	10MH		R013	1-216-065-61	RES-CHIP	4.7K	5%	1/10W
	L511	1-406-978-11	INDUCTOR	150UH							
						R014	1-216-025-61	RES-CHIP	100	5%	1/10W
	L512	1-412-549-31	INDUCTOR	1MH		R015	1-216-025-61	RES-CHIP	100	5%	1/10W
	L513	1-412-549-31	INDUCTOR	1MH		R018	1-216-033-61	RES-CHIP	220	5%	1/10W
	L515	1-459-104-00	COIL, WITH CORE	Е		R019	1-216-073-61	RES-CHIP	10G	5%	1/10W
	L518	1-414-187-11	INDUCTOR	47UH		R021	1-216-073-61	RES-CHIP	10G	5%	1/10W
	L601	1-412-527-11	INDUCTOR	15UH							
						R022	1-216-025-61	RES-CHIP	100	5%	1/10W
	L905	1-414-856-11	INDUCTOR	10UH		R023	1-216-049-61	RES-CHIP	1K	5%	1/10W
						R024	1-216-063-61	RES-CHIP	3.9K	5%	1/10W
						R025	1-216-063-61	RES-CHIP	3.9K	5%	1/10W
			<photo couple<="" td=""><td>R></td><td></td><td>R026</td><td>1-216-063-61</td><td>RES-CHIP</td><td>3.9K</td><td>5%</td><td>1/10W</td></photo>	R>		R026	1-216-063-61	RES-CHIP	3.9K	5%	1/10W
	PH600 △	8-749-924-35	PHOTO COUPLER	ON3171-R		R027	1-216-049-61	RES-CHIP	1K	5%	1/10W
						R029	1-216-049-61	RES-CHIP	1K	5%	1/10W
						R031	1-216-049-61	RES-CHIP	1K	5%	1/10W
			<transistor></transistor>			R032	1-216-025-61	RES-CHIP	100	5%	1/10W
						R034	1-216-049-61	RES-CHIP	1K	5%	1/10W
	Q001	8-729-230-47	TRANSISTOR 2SA	1162-YG-TE85L							
	Q002	8-729-230-50	TRANSISTOR 2SC			R035	1-216-025-61	RES-CHIP	100	5%	1/10W
	Q003	8-729-424-11	TRANSISTOR UN			R036	1-216-025-61	RES-CHIP	100	5%	1/10W
	Q004	8-729-421-20	TRANSISTOR UN			R037	1-216-025-61	RES-CHIP	100	5%	1/10W
	Q101	8-729-230-50	TRANSISTOR 2SC			R038	1-216-049-61	RES-CHIP	1K	5%	1/10W
	*					R040	1-216-025-61	RES-CHIP	100	5%	1/10W
	Q301	8-729-230-47	TRANSISTOR 2SA	1162-YG-TE85L							
		8-729-230-50	TRANSISTOR 2SC			R041	1-216-025-61	RES-CHIP	100	5%	1/10W
	Q303	8-729-230-47	TRANSISTOR 2SA			R042	1-216-295-61	SHORT CHIP	0		
	-				'	R043	1-216-049-61	RES-CHIP	1K	5%	1/10W



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	REF.NO.	PART NO.	DESCRIPTION			REMARK	REF.NO.	PART NO.	DESCRIPTION			REMARK
	R044	1-216-025-61	RES-CHIP	100	5%	1/10W	R345	1-216-081-61	RES-CHIP	22K	5%	1/10W
	R045	1-414-233-22	INDUCTOR CHIP				R346	1-216-051-61	RES-CHIP	1.2K	5%	1/10W
							R347	1-216-051-61		1.2K	5%	1/10W
	R046	1-216-049-61	RES-CHIP	1K	5%	1/10W	R348	1-208-806-11	METAL CHIP	10K	0.5%	1/10W
	R047	1-414-233-22	INDUCTOR CHIP				R349	1-216-073-61	RES-CHIP	10G	5%	1/10W
	R048	1-216-073-61	RES-CHIP	10G	5%	1/10W						
	R049	1-216-073-61	RES-CHIP	10G		1/10W	R350	1-216-061-61	RES-CHIP	3.3G	5%	1/10W
	R050	1-216-073-61	RES-CHIP	10G		1/10W	R351	1-216-053-61		1.5K	5%	1/10W
							R354	1-216-057-61		2.2K	5%	1/10W
	R052	1-216-053-61	RES-CHIP	1.5K	5%	1/10W	R355	1-216-057-61		2.2K	5%	1/10W
	R053	1-216-049-61	RES-CHIP	1K		1/10W	R356	1-216-057-61		2.2K	5%	1/10W
	R054	1-216-049-61	RES-CHIP	1K		1/10W						
	R055	1-216-073-61	RES-CHIP	10G		1/10W	R357	1-216-079-00	METAL CHIP	18K	5%	1/10W
	R056	1-216-073-61	RES-CHIP	10G	5%	1/10W	R358	1-216-049-61	RES-CHIP	1K	5%	1/10W
					-,-	.,	R359	1-216-033-61		220	5%	1/10W
	R061	1-216-295-61	SHORT CHIP	0			R360	1-216-033-61	RES-CHIP	220	5%	1/10W
	R062	1-216-041-61	RES-CHIP	470	5%	1/10W	R361	1-216-073-61	RES-CHIP	10G	5%	1/10W
	R063	1-216-041-61	RES-CHIP	470		1/10W	11001	1 210 0/2 01	1125 0111	100	270	1,1011
	R064	1-216-041-61	RES-CHIP	470		1/10W	R362	1-216-075-61	RES-CHIP	12K	5%	1/10W
	R065	1-216-041-61	RES-CHIP	470		1/10W	R363	1-216-079-00	METAL CHIP	18K	5%	1/10W
	1005	1 210 011 01	KES CIII	170	570	1,1011	R364	1-216-295-61	SHORT CHIP	0	570	1/1011
	R066	1-216-049-61	RES-CHIP	1K	5%	1/10W	R365	1-216-033-61	RES-CHIP	220	5%	1/10W
	R067	1-216-049-61	RES-CHIP	1K		1/10W	R366	1-216-073-61	RES-CHIP	10G	5%	1/10W
	R105	1-216-295-61	SHORT CHIP	0	370	1/10 VV	KJ00	1-210-075-01	KES-CIII	100	370	1/10 VV
	R109	1-216-293-01	RES-CHIP	470	5%	1/10W	R367	1-216-073-61	RES-CHIP	10G	5%	1/10W
	R111	1-216-025-61	RES-CHIP	100		1/10W 1/10W	R368	1-216-073-61	RES-CHIP	10G	5%	1/10W
	KIII	1-210-025-01	KES-CIII	100	370	1/10 VV	R370	1-216-033-61	RES-CHIP	220	5%	1/10W
	R112	1-216-025-61	RES-CHIP	100	5%	1/10W	R373	1-216-025-61	RES-CHIP	100	5%	1/10W
	R112	1-216-025-61	RES-CHIP	100		1/10W 1/10W	R376	1-216-023-01		22K	5%	1/10W 1/10W
	R225	1-216-023-61	RES-CHIP	220		1/10W 1/10W	K3/0	1-210-061-01	кез-спіг	22 K	370	1/10 W
				220			R377	1 216 121 61	RES-CHIP	1M	5%	1/10W
	R226	1-216-033-61	RES-CHIP			1/10W		1-216-121-61				
	R227	1-216-033-61	RES-CHIP	220	5%	1/10W	R378	1-216-031-61	RES-CHIP	180	5%	1/10W
	D007	1 21 6 205 61	CHODE CHID	0			R500	1-220-958-91	RES, METAL FILM		50/	1 /1 0337
	R237	1-216-295-61	SHORT CHIP	0	50/	1 /1 0117	R501	1-216-049-61	RES-CHIP	1K	5%	1/10W
	R301	1-216-113-61	RES-CHIP	470K	5%	1/10W	R505	1-216-105-61	METAL CHIP	220K	5%	1/10W
	R302	1-216-295-61	SHORT CHIP	0	50/	1 /1 0337	D506	1 216 000 61	DEC CHID	4777		(2012)
	R303	1-216-049-61	RES-CHIP	1K		1/10W	R506	1-216-089-61		47K	50/	(2012)
	R304	1-216-073-61	RES-CHIP	10G	5%	1/10W	R507	1-249-389-11	CARBON	4.7	5%	1/4W
	D20.6	1 21 6 00 5 00	METAL CHID	2217	50/	1 /1 0117	R508	1-216-473-11		56	5%	3W
	R306	1-216-085-00	METAL CHIP	33K		1/10W	R509	1-215-910-00	METAL OXIDE	68	5%	3W
	R308	1-216-025-61	RES-CHIP	100		1/10W	R510	1-215-884-11	METAL OXIDE	47	5%	2W
	R309	1-216-025-61	RES-CHIP	100		1/10W	D #44		A COMPANY OF THE PARTY OF THE P		- 0.	
	R310	1-216-025-61	RES-CHIP	100	5%	1/10W	R511	1-215-910-00	METAL OXIDE	68	5%	3W
	R311	1-216-017-61	RES-CHIP	47	5%	1/10W	R515	1-215-913-11	METAL OXIDE	220	5%	3W
	D010	1 21 6 041 61	DEG CHID	450	50/	1 /1 0117	R516	1-216-081-61	RES-CHIP	22K	5%	1/10W
	R312	1-216-041-61	RES-CHIP	470		1/10W	R518	1-220-948-91		100	5%	1/2W
	R313	1-216-053-61	RES-CHIP	1.5K		1/10W	R519	1-215-912-11	METAL OXIDE	150	5%	3W
	R314	1-216-043-61	RES-CHIP	560		1/10W						
	R316	1-216-053-61	RES-CHIP	1.5K		1/10W	R520	1-215-445-00		10K	1%	1/4W
	R317	1-216-077-61	RES-CHIP	15K		(2012)	R522	1-208-806-11	METAL CHIP	10K	0.5%	1/10W
							R523	1-220-952-91	METAL MELF	330	5%	1/2W
	R318	1-216-051-61	RES-CHIP	1.2K	5%	1/10W	R525	1-208-854-11		1M		1/10W
	R319	1-216-025-61	RES-CHIP	100		1/10W	R526	1-208-804-11	METAL CHIP	8.2K	0.5%	1/10W
	R320	1-216-065-61	RES-CHIP	4.7K		1/10W						
	R321	1-216-073-61	RES-CHIP	10G	5%	1/10W	R527	1-216-001-61	RES-CHIP	10	5%	1/10W
	R322	1-216-033-61	RES-CHIP	220	5%	1/10W	R528	1-208-814-91	METAL CHIP	22K	0.5%	1/10W
							R529	1-216-635-11	METAL CHIP	220	0.5%	1/10W
	R326	1-216-029-61	RES-CHIP	150	5%	1/10W	R531	1-220-963-91	METAL MELF	3.3K	5%	1/2W
	R327	1-216-033-61	RES-CHIP	220	5%	1/10W	R533	1-220-958-91	RES, METAL FILM	1K		
	R331	1-216-295-61	SHORT CHIP	0								
	R332	1-216-033-61	RES-CHIP	220	5%	1/10W	R534	1-216-361-00	METAL OXIDE	0.22	5%	2W
	R333	1-216-083-61	RES-CHIP	27K	5%	1/10W	R535	1-216-067-00	METAL CHIP	5.6K	5%	1/10W
							R536	1-216-067-00	METAL CHIP	5.6K	5%	1/10W
	R334	1-216-125-00	METAL CHIP	1.5M	5%	1/10W	R537	1-208-814-91	METAL CHIP	22K	0.5%	1/10W
	R335	1-216-045-00	METAL CHIP	680		1/10W	R540	1-216-065-61		4.7K	5%	1/10W
	R338	1-216-037-61	RES-CHIP	330		1/10W						
	R339	1-216-033-61	RES-CHIP	220		1/10W	R541	1-216-065-61	RES-CHIP	4.7K	5%	1/10W
		1-216-025-61	RES-CHIP	100		1/10W	R542	1-216-295-61		0		
						1						



REF.NO.	PART NO.	DESCRIPTION			REMARK	REF.NO.	PART NO.	DESCRIPTION			REMARK
R543	1-249-426-11	CARBON	5.6K	5%	1/4W	R624	1-216-089-61	RES-CHIP	47K		(2012)
R544	1-215-917-11	METAL OXIDE	1K	5%	3W	R626	1-216-049-61	RES-CHIP	1K	5%	1/10W
R545	1-216-077-61	RES-CHIP	15K	-,-	(2012)	R627	1-240-251-11	CMT-MELF	6.8	5%	10W
10.0	1 210 077 01	1125 0111	1011		(2012)	R629	1-247-747-11	CARBON	470	5%	1/2W
R546	1-216-077-61	RES-CHIP	15K		(2012)	R630	1-249-429-11	CARBON	10K	5%	1/4W
R547	1-216-085-00	METAL CHIP	33K	5%	1/10W	11050	12.7 .27 11	C. II.D C	1011	270	27
R549	1-215-453-00	METAL	22K	1%	1/4W	R631	1-216-089-61	RES, CHIP 47K		(2012)	
R550	1-216-097-61	RES-CHIP	100K	5%	1/10W	R632	1-202-933-61	FUSIBLE	0.1	10%	1/2W
R551	1-220-961-91	METAL CHIP	2.2K	5%	1/2W		1-218-265-11	METAL	8.2M	5%	1W
1001	1 220 701 71		2.211	2,0	1/2 **	R635	1-216-203-11	METAL OXIDE	82K	5%	3W
R552	1-216-057-61	RES-CHIP	2.2K	5%	1/10W	R636	1-215-924-00	METAL OXIDE	15K	5%	3W
R553	1-215-453-00	METAL	22K	1%	1/4W	KUSU	1-213-924-00	METAL OXIDE	1310	370	3 **
R554	1-215-457-00	METAL	33K	1%	1/4W	R637	1-216-492-11	METAL OXIDE	82K	5%	3W
R556	1-215-437-00	METAL	4.7K	1%	1/4W	R639	1-216-361-21	METAL OXIDE	0.22	5%	2W
R558	1-220-963-91	METAL MELF	3.3K	5%	1/2W	R640	1-220-956-91	METAL MELF	680	5%	1/2W
						R641	1-216-361-21	METAL OXIDE	0.22	5%	2W
R559	1-220-969-91	METAL CHIP	10K	5%	1/2W	R642	1-220-959-91	METAL MELF	1.5K	5%	1/2W
R560	1-216-073-61	RES-CHIP	10G	5%	1/10W	10.2	1 220 ,0, ,1		11011	270	1,211
R562	1-249-401-11	CARBON	47	5%	1/4W	R643	1-220-963-91	METAL MELF	3.3K	5%	1/2W
R565	1-216-073-61	RES-CHIP	10G	5%	1/10W	R644	1-220-959-91	METAL MELF	1.5K	5%	1/2W
R567	1-216-105-61	METAL CHIP	220K	5%	1/10W	R646	1-215-924-00	METAL OXIDE	15K	5%	3W
						R647	1-249-387-11	CARBON	3.3	5%	1/4W
R568	1-249-383-11	CARBON	1.5	5%	1/4W	R648	1-216-057-61	RES-CHIP	2.2K	5%	1/10W
R570	1-216-069-61	RES-CHIP	6.8K	5%	1/10W					- / -	-,
R571	1-215-443-00	METAL	8.2K	1%	1/4W	R649	1-220-958-91	RES, METAL FILI	M 1K		
R573	1-216-089-61	RES, CHIP 47K		(2012)		R650	1-215-882-00	METAL OXIDE	22	5%	2W
R577	1-215-913-11	METAL OXIDE	220	5%	3W	R652	1-215-900-11	METAL OXIDE	22K	5%	2W
						R653	1-215-873-00	METAL OXIDE	4.7K	5%	1W
R578	1-216-369-00	METAL OXIDE	1	5%	2W	R654	1-216-369-00	METAL OXIDE	1	5%	2W
R579	1-216-097-61	RES-CHIP	100K	5%	1/10W						
R580	1-208-830-11	METAL CHIP	100K	0.5%	1/10W	R656	1-220-958-91	RES, METAL FILI	M 1K		
R581	1-208-798-11	METAL CHIP	4.7K	0.5%	1/10W	R657	1-260-127-11	CARBON	220K	5%	1/2W
R582	1-216-113-61	RES-CHIP	470K	5%	1/10W	R659	1-216-049-61	RES-CHIP	1K	5%	1/10W
						R660	1-216-073-61	RES-CHIP	10G	5%	1/10W
R584	1-216-081-61	RES-CHIP	22K	5%	1/10W	R661	1-215-873-00	METAL OXIDE	4.7K	5%	1W
R587	1-216-097-61	RES-CHIP	100K	5%	1/10W						
R588	1-215-888-00	METAL OXIDE	220	5%	2W	R909	1-216-065-61	RES-CHIP	4.7K	5%	1/10W
R589	1-215-888-00	METAL OXIDE	220	5%	2W	R910	1-216-065-61	RES-CHIP	4.7K	5%	1/10W
R590	1-215-465-00	METAL	68K	1%	1/4W						
R591	1-260-288-11	CARBON	0.47	5%	1/2W			<relay></relay>			
R593	1-260-288-11	CARBON	0.47	5%	1/2W						
R594	1-260-288-11	CARBON	0.47	5%	1/2W	RY600 ♠	1-755-214-11	RELAY, AC POWE	R.		
R596	1-215-917-11	METAL OXIDE	1K	5%	3W		1-755-214-11	RELAY, AC POWE			
R597	1-247-750-11	CARBON	680	5%	1/2W	K1001 2!\	1-733-214-11	KELAI, AC FOWL	ZK.		
R598	1-220-976-91	METAL MELF	56K	5%	1/2W			«СИПТОЦ»			
R599	1-249-389-11	CARBON	4.7	5%	1/4W			<switch></switch>			
R600	1-220-976-91	METAL MELF	56K	5%	1/2W	S501	1 572 707 11	CWITCH LEVED			
R601	1-249-420-11	CARBON	1.8K	5%	1/4W	S501 S502	1-572-707-11 1-572-707-11	SWITCH, LEVER SWITCH, LEVER			
R602	1-249-389-11	CARBON	4.7	5%	1/4W	3302	1-3/2-/0/-11	SWITCH, LEVER			
R603	1-215-485-00	METAL	470K	1%	1/4W			TO AMERODA TO	٠.		
R604	1-216-097-61	RES-CHIP	100K	5%	1/10W			<transformer< td=""><td>\diamond</td><td></td><td></td></transformer<>	\diamond		
R607	1-220-965-91	METAL CHIP	4.7K	5%	1/2W	TE 0.1	1 427 105 11	TD ANGEODMED	HODIZONE	AL DDI	TE.
R608	1-240-205-91	CARBON	22M	5%	1/2W	T501	1-437-195-11	TRANSFORMER,			
R609	1-216-057-61	RES-CHIP	2.2K	5%	1/10W	T503 △ T504	1-453-284-11 1-431-475-11	TRANSFORMER, TRANSFORMER,			
R610	1-216-073-61	RES-CHIP	10G	5%	1/10W	T505	1-426-981-11	TRANSFORMER,	*		
R611	1-216-089-61	RES-CHIP	47K		(2012)	T601	1-424-505-11	TRANSFORMER,	LINE FILTE	R	
R612	1-216-045-00	METAL CHIP	680	5%	1/10W						
R614	1-216-041-61	RES-CHIP	470	5%	1/10W	T603 △	1-431-946-11	TRANSFORMER,	CONVERTE	R	
R615	1-216-369-00	METAL OXIDE	1	5%	2W	T604 △	1-431-852-11	TRANSFORMER,	CONVERTE	R (SRT)	
R616	1-260-302-51	CARBON	6.8	5%	1/2W						
R617	1-247-791-91	CARBON	22	5%	1/4W			<thermistor></thermistor>			
R619	1-260-128-11	CARBON	270K	5%	1/2W						
R621	1-215-864-00	METAL OXIDE	150	5%	1W	THP600	1-809-827-11	THERMISTOR, PO	OSITIVE		
R623	1-216-095-61	RES-CHIP	82K	5%	1/10W	I 500					

KV-XF25M50/XF25M80 RM-954



REF.NO	D. PART NO.	DESCRIPTION			REMARK	REF.NO.	PART NO.	DESCRIPTION			REMARK
		<tuner></tuner>				C1448 C1449	1-164-005-51 1-126-933-11	CERAMIC CHIP ELECT	470000PF 100UF	10% 20.00%	25V % 16V
TU101	8-598-449-10	TUNER, FSS BTF	-LG433			01.17	1 120 /00 11	22201	10001	20.007	0101
						C1459	1-163-133-00	CERAMIC CHIP	470PF	10%	50V
						C1460	1-163-133-00	CERAMIC CHIP	470PF	10%	50V
		<crystal></crystal>				C1461	1-164-346-51	CERAMIC CHIP	1UF	10%	16V
						C1462	1-164-346-51	CERAMIC CHIP	1UF	10%	16V
X001	1-781-174-21	VIBRATOR, CERA				C3201	1-125-797-91	ELECT	10UF	20.009	650V
X301	1-781-134-21	VIBRATOR, CRYS				C2202	1 126 160 00	MAZIAD	0.22115	£ 000/	501/
X302	1-781-132-21	VIBRATOR, CRYS	SIAL			C3202 C3203	1-136-169-00 1-115-339-51	MYLAR CERAMIC CHIP	0.22UF 0.1UF	5.00% 10.00%	
						C3205	1-113-339-31	CERAMIC CHIP	0.101 0.01UF	10.009	
						C3207	1-164-489-51	CERAMIC CHIP	0.22UF	10.009	
*****	******	*****	******	*****	*****	C3208	1-164-489-51	CERAMIC CHIP	0.22UF	10.009	
	* A-1131-417-A	B2 BOARD MOU	NTED			C3209	1-163-017-00	CERAMIC CHIP	0.0047UF	10.009	% 50V
		******	*****			C3210	1-125-797-91	ELECT	10UF	20.009	% 50V
						C3211	1-125-797-91	ELECT	10UF	20.009	
						C3212	1-125-797-91	ELECT	10UF	20.009	
		<connector></connector>				C3213	1-104-664-11	ELECT	47UF	20.009	625V
CNI220) * 1 766 052 11	CONNECTOR, BO	ח אם דרו פא	ADD 111	D	C3214	1-104-664-11	ELECT	47UF	20.009	% 25V
CN230.	2 1-700-932-11	CONNECTOR, BC	JAKD IO BO	AKD III	T	C3214 C3215	1-104-004-11	CERAMIC CHIP	4.7UF	20.007	10V
						C3216	1-117-720-51	CERAMIC CHIP	4.7UF		10V
						C3217	1-164-232-11	CERAMIC CHIP	0.01UF	10.009	
*****	*****	******	******	*****	*****	C3218	1-163-017-00	CERAMIC CHIP	0.0047UF	10.009	% 50V
	* A-1136-131-A	B3 BOARD COM				C3219	1-163-017-00	CERAMIC CHIP	0.0047UF	10.009	
		******	*****			C3220	1-163-037-11	CERAMIC CHIP	0.022UF	10.009	
	4 202 054 11	CODEW (MOVIO)	D (W) (.)			C3221	1-163-037-11	CERAMIC CHIP	0.022UF	10.009	
	4-382-854-11	SCREW (M3X10),	, P, SW (+)			C3222 C3223	1-163-037-11	CERAMIC CHIP	0.022UF 0.022UF	10.009	
						C3223	1-163-037-11	CERAMIC CHIP	0.022UF	10.009	% 30 V
		<capacitor></capacitor>				C3224	1-164-505-11	CERAMIC CHIP	2.2UF		16V
						C3225	1-163-038-00	CERAMIC CHIP	0.1UF		25V
C1402	1-104-664-11	ELECT	47UF	20.00%	5 25 V	C3226	1-125-797-91	ELECT	10UF	20.009	% 50V
C1404	1-216-295-61	SHORT CHIP	0			C3227	1-164-505-11	CERAMIC CHIP	2.2UF		16V
C1405	1-104-664-11	ELECT	47UF	20.00%		C3228	1-107-698-11	ELECT	10UF	20.009	% 25V
C1410	1-104-664-11	ELECT	47UF	20.00%	5 25 V	G222	4 405 500 44	Dr. D.Om	4077	20.000	
C1411	1-216-295-61	SHORT CHIP	0			C3229	1-107-698-11	ELECT CERAMIC CHIR	10UF	20.009	
C1413	1-126-935-11	ELECT	470UF	20.00%	. 16V	C3238 C3239	1-164-005-51 1-136-169-00	CERAMIC CHIP MYLAR	470000PF 0.22UF	10% 5.00%	25V 50V
C1413	1-164-346-51	CERAMIC CHIP	1UF	10%	16V	C3239	1-130-109-00	CERAMIC CHIP	0.2201 0.1UF	10.00%	
C1415	1-104-664-11	ELECT	47UF	20.00%		C3243	1-163-989-51	CERAMIC CHIP	0.033UF	10.009	
C1416	1-164-346-51	CERAMIC CHIP	1UF	10%	16V						
C1418	1-163-031-11	CERAMIC CHIP	0.01UF		50V	C3244	1-164-346-51	CERAMIC CHIP	1UF	10%	16V
						C3245	1-164-005-51	CERAMIC CHIP	470000PF	10%	25V
C1422	1-164-346-51	CERAMIC CHIP	1UF	10%	16V	C3246	1-163-243-11	CERAMIC CHIP	47PF	5.00%	
C1423	1-164-346-51	CERAMIC CHIP	1UF	10%	16V	C3247	1-126-963-11	ELECT	4.7UF	20.009	
C1425	1-164-346-51	CERAMIC CHIP	1UF	10%	16V	C3248	1-163-251-11	CERAMIC CHIP	100PF	5.00%	50V
C1426 C1428	1-164-346-51 1-104-665-11	CERAMIC CHIP ELECT	1UF 100UF	10% 20.00%	16V 325V	C3249	1-164-505-11	CERAMIC CHIP	2.2UF		16V
C1426	1-104-003-11	ELECT	10001	20.00%	0 23 V	C3249 C3250	1-164-346-51	CERAMIC CHIP	2.20F 1UF	10%	16V 16V
C1429	1-104-663-11	ELECT	33UF	20.00%	5 25V	C3250	1-104-340-31	ELECT	10UF	20.009	
C1431	1-163-038-00	CERAMIC CHIP	0.1UF	20.007	25V	C3252	1-163-251-11	CERAMIC CHIP	100PF	5.00%	
C1433	1-104-664-11	ELECT	47UF	20.00%		C3253	1-126-933-11	ELECT	100UF	20.009	
C1434	1-163-133-00	CERAMIC CHIP	470PF	10%	50V						
C1435	1-163-038-00	CERAMIC CHIP	0.1UF		25V	C3254	1-164-505-11	CERAMIC CHIP	2.2UF		16V
						C3255	1-163-243-11	CERAMIC CHIP	47PF	5.00%	
C1436	1-163-038-00	CERAMIC CHIP	0.1UF	1001	25V	C3256	1-126-963-11	ELECT	4.7UF	20.009	
C1440	1-163-133-00	CERAMIC CHIP	470PF	10%	50V	C3257	1-164-346-51	CERAMIC CHIP	1UF	10%	
C1441	1-163-133-00	CERAMIC CHIP	470PF	10%	50V 50V	C3258	1-163-989-51	CERAMIC CHIP	0.033UF	10.009	'0 23 V
C1443 C1444	1-163-133-00 1-164-005-51	CERAMIC CHIP CERAMIC CHIP	470PF 470000PF	10% 10%	50V 25V	C3259	1-126-963-11	ELECT	4.7UF	20.009	% 50V
C1-1-1-1	1 104 005-51	CLIGHTING CITI	17000011	10/0		C3260	1-163-251-11	CERAMIC CHIP	100PF	5.00%	
C1445	1-163-133-00	CERAMIC CHIP	470PF	10%	50V	C3262	1-104-664-11	ELECT	47UF	20.009	
C1446	1-163-133-00	CERAMIC CHIP	470PF	10%	50V	C3264	1-163-251-11	CERAMIC CHIP	100PF	5.00%	
C1447	1-125-797-91	ELECT	10UF	20.00%	5 50V	C3265	1-125-797-91	ELECT	10UF	20.009	% 50V



REF.NO.	PART NO.	DESCRIPTION		REMARK	REF.NO.	PART NO.	DESCRIPTION		REMARK
C3266	1-125-797-91	ELECT	10UF	20.00% 50V			<diode></diode>		
C3268	1-164-004-51	CERAMIC CHIP	0.1UF	10.00% 25V			<diode></diode>		
C3269	1-164-004-51	CERAMIC CHIP	0.1UF	10.00% 25V	D1401	8-719-069-60	DIODE UDZS-TE17	-9.1B	
C3270	1-164-690-51	CERAMIC CHIP	0.0022UF	5.00% 50V	D1402	8-719-069-60	DIODE UDZS-TE17		
C3271	1-164-690-51	CERAMIC CHIP	0.0022UF	5.00% 50V	D1403	8-719-069-60	DIODE UDZS-TE17	-9.1B	
					D1404	8-719-069-60	DIODE UDZS-TE17	-9.1B	
C3272	1-126-965-11	ELECT	22UF	20.00% 50V	D1405	8-719-069-60	DIODE UDZS-TE17	-9.1B	
C3273	1-115-339-51	CERAMIC CHIP	0.1UF	10.00% 50V					
C3274	1-125-797-91	ELECT	10UF	20.00% 50V	D1406	8-719-069-60	DIODE UDZS-TE17		
C3276	1-164-004-51	CERAMIC CHIP	0.1UF	10.00% 25V	D1407	8-719-069-60	DIODE UDZS-TE17		
C3277 C3278	1-164-004-51	CERAMIC CHIP	0.1UF	10.00% 25V	D1408 D1409	8-719-069-60 8-719-069-60	DIODE UDZS-TE17 DIODE UDZS-TE17		
C32/8	1-164-004-51	CERAMIC CHIP	0.1UF	10.00% 25V	D1409 D1410	8-719-069-60	DIODE UDZS-TE17		
C3279	1-164-004-51	CERAMIC CHIP	0.1UF	10.00% 25V	D1+10	0 717 007 00	DIODE CDES TELV).1 D	
C3280	1-115-419-11	CERAMIC CHIP	3300PF	5.00% 25V	D1411	8-719-069-60	DIODE UDZS-TE17	-9.1B	
C3281	1-163-037-11	CERAMIC CHIP	0.022UF	10.00% 50V	D1412	8-719-069-60	DIODE UDZS-TE17		
C3282	1-125-797-91	ELECT	10UF	20.00% 50V	D1415	8-719-069-60	DIODE UDZS-TE17	-9.1B	
C3283	1-125-797-91	ELECT	10UF	20.00% 50V	D1416	8-719-069-60	DIODE UDZS-TE17	-9.1B	
					D3201	8-719-988-61	DIODE 1SS355TE-1	7	
C3284	1-115-339-51	CERAMIC CHIP	0.1UF	10.00% 50V				_	
C3285	1-125-797-91	ELECT	10UF	20.00% 50V	D3203	8-719-988-61	DIODE 1SS355TE-1	7	
C3286	1-125-797-91	ELECT	10UF	20.00% 50V	D6211	8-719-404-50	DIODE MA111-TX		
C3287 C3288	1-125-797-91 1-163-037-11	ELECT CERAMIC CHIP	10UF 0.022UF	20.00% 50V 10.00% 50V	D6212	8-719-404-50	DIODE MA111-TX		
C3200	1-105-057-11	CERAMIC CHIP	0.02201	10.00% 50 V					
C3289	1-115-419-11	CERAMIC CHIP	3300PF	5.00% 25V			<ic></ic>		
C3290	1-164-505-11	CERAMIC CHIP	2.2UF	16V					
C3291	1-164-505-11	CERAMIC CHIP	2.2UF	16V					
C6200	1-216-295-61	SHORT CHIP	0		IC1401	8-752-068-46	IC CXA1855S		
C6202	1-126-953-11	ELECT	2200UF	20.00% 35V	IC1404	8-759-701-59	IC L7809CV		
					IC3200	8-759-103-37	IC UPC4558G2-T2		
C6203	1-164-232-11	CERAMIC CHIP	0.01UF	10.00% 50V	IC3201	8-759-553-44	IC NJM2187L		
C6204	1-128-550-11	ELECT	2200UF	20.00% 50V	IC3202	8-759-100-96	IC UPC4558G2-T2		
C6205	1-130-495-00	MYLAR	0.1UF	5.00% 50V	IC3203	9 750 711 10	IC NJU4066BM-T2		
C6206 C6209	1-128-550-11 1-130-495-00	ELECT MYLAR	2200UF 0.1UF	20.00% 50V 5.00% 50V	IC3203 IC3204	8-759-711-10 8-759-100-96	IC NJM4558M-TE2		
C0207	1-130-473-00	WITLAN	0.101	3.00% 30 v	IC3205	8-752-057-18	IC CXA1315P		
C6210	1-126-924-11	ELECT	330UF	20.00% 10V	IC3206	8-759-496-02	IC NJM2150D		
C6211	1-126-924-11	ELECT	330UF	20.00% 10V	IC3207	8-759-273-12	IC TDA7315D013TR		
C6212	1-104-664-11	ELECT	47UF	20.00% 25V					
C6213	1-125-797-91	ELECT	10UF	20.00% 50V	IC6200	8-759-168-24	IC TA8200AH		
C6217	1-164-004-51	CERAMIC CHIP	0.1UF	10.00% 25V					
G(220	1 164 505 11	CED AND CHID	2.2115	1611			JA CIV		
C6220	1-164-505-11 1-164-505-11	CERAMIC CHIP	2.2UF	16V			<jack></jack>		
C6222 C6223	1-104-303-11	CERAMIC CHIP ELECT	2.2UF 1UF	16V 20.00% 63V	J1401	1-784-646-11	TERMINAL, S		
C6241	1-125-797-91	ELECT	10UF	20.00% 63 V 20.00% 50 V	J1401 J1402	1-778-388-11	JACK BLOCK, PIN 9)P	
C6244	1-164-161-11	CERAMIC CHIP	0.0022UF	10.00% 50V	01.02	1 //0 000 11	unon beoon, in c		
C6245	1-164-161-11	CERAMIC CHIP	0.0022UF	10.00% 50V			<chip conducto<="" td=""><td>R></td><td></td></chip>	R>	
C6249	1-216-295-61	SHORT CHIP	0						
					JR1405	1-216-295-61)	
		govn momon			JR1406	1-216-295-61)	
		<connector></connector>			JR1407	1-216-295-61 1-216-295-61)	
CN1400*	1-564-512-11	PLUG. CONNECT	OP OP		JR1408 JR3200	1-216-295-61))	
	1-504-512-11	PIN, CONNECTOR		'H) 1P	JK3200	1-210-295-01	SHOKI CIII	,	
	1-564-506-11	PLUG, CONNECT	*	31) 11	JR3201	1-216-295-61	SHORT CHIP ()	
	1-779-892-11	CONNECTOR, BO		ARD 10P	JR3202	1-216-295-61)	
CN1407*	1-779-891-11	CONNECTOR, BO	OARD TO BO	ARD 8P	JR3203	1-216-295-61	SHORT CHIP ()	
					JR3204	1-216-295-61	SHORT CHIP ()	
	1-564-507-11	PLUG, CONNECT			JR3207	1-216-295-61	SHORT CHIP ()	
	1-564-509-11	PLUG, CONNECT			ID 22.22	1.014.005.55	GHODE CVV-		
CN6206*	1-564-508-11	PLUG, CONNECT	OR 5P		JR3208	1-216-295-61)	
					JR3209	1-216-295-61)	
					JR6200 JR6202	1-216-295-61 1-216-295-61))	
					JR6203	1-216-295-61		<i>)</i>)	

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REF.NO.	PART NO.	DESCRIPTION			REMARK	REF.NO.	PART NO.	DESCRIPTION			REMARK
JR6204	1-216-295-61	SHORT CHIP	0			R1433	1-216-025-61	RES-CHIP	100	5%	1/10W
JK0204	1-210-293-01	SHOKI CIII	U			R1435	1-216-023-01	METAL CHIP	75	5%	1/10W 1/10W
		<coil></coil>				R1436	1-216-025-61	RES-CHIP	100	5%	1/10W
						R1437	1-216-022-00	METAL CHIP	75	5%	1/10W
L1404	1-412-537-31	INDUCTOR	100UH			R1438	1-216-025-61	RES-CHIP	100	5%	1/10W
L3202	1-414-856-11	INDUCTOR	10UH			R1441	1-216-025-61	RES-CHIP	100	5%	1/10W
						R1442	1-216-049-61	RES-CHIP	1K	5%	1/10W
		<transistor></transistor>				R1443	1-216-049-61	RES-CHIP	1K	5%	1/10W
						R1445	1-216-025-61	RES-CHIP	100	5%	1/10W
Q1402	8-729-230-47	TRANSISTOR 2S				R1446	1-216-105-61	METAL CHIP	220K	5%	1/10W
Q1403	8-729-230-50	TRANSISTOR 2S				R1447	1-216-025-61	RES-CHIP	100	5%	1/10W
Q1404	8-729-230-50	TRANSISTOR 2S				R1449	1-216-073-61	RES-CHIP	10G	5%	1/10W
Q3201	8-729-224-62	TRANSISTOR 2S									
Q3202	8-729-230-50	TRANSISTOR 2S	C2712-YG-T	E85L		R1450	1-216-073-61	RES-CHIP	10G	5%	1/10W
						R1451	1-216-073-61	RES-CHIP	10G	5%	1/10W
Q3203	8-729-230-50	TRANSISTOR 2S				R1452	1-216-295-61	SHORT CHIP	0		
Q3204	8-729-224-62	TRANSISTOR 2S		E2		R1453	1-216-025-61	RES-CHIP	100	5%	1/10W
Q6201	8-729-421-17	TRANSISTOR UN				R1455	1-216-073-61	RES-CHIP	10G	5%	1/10W
Q6203	8-729-421-17	TRANSISTOR UN									
Q6204	8-729-421-17	TRANSISTOR UN	N2213-TX			R1456	1-216-113-61	RES-CHIP	470K	5%	1/10W
						R1457	1-216-073-61	RES-CHIP	10G	5%	1/10W
Q6208	8-729-421-17	TRANSISTOR UN	N2213-TX			R1458	1-216-073-61	RES-CHIP	10G	5%	1/10W
						R1459	1-216-025-61	RES-CHIP	100	5%	1/10W
		PEGIGEOP				R1460	1-216-033-61	RES-CHIP	220	5%	1/10W
		<resistor></resistor>				D1461	1 016 005 61	DEC CIUD	100	50/	1/10337
D1402	1 216 022 61	DEC CHID	220	50/	1/1037	R1461	1-216-025-61	RES-CHIP	100	5%	1/10W
R1403	1-216-033-61	RES-CHIP	220	5%	1/10W	R1463	1-216-073-61	RES-CHIP	10G 470K	5% 5%	1/10W
R1404	1-216-295-61	SHORT CHIP	0	50/	1/1037	R1464	1-216-113-61	RES-CHIP		5% 5%	1/10W
R1406	1-216-017-61	RES-CHIP	47	5%	1/10W	R1465	1-216-113-61	RES-CHIP	470K	5%	1/10W
R1407	1-216-033-61	RES-CHIP	220	5%	1/10W	R1466	1-216-033-61	RES-CHIP	220	5%	1/10W
R1408	1-216-031-61	RES-CHIP	180	5%	1/10W	D1467	1 216 057 61	DEC CHID	2.21/	50/	1/1037
D1400	1 216 105 61	METAL CHID	2201/	£0/	1/1037	R1467	1-216-057-61 1-216-093-11	RES-CHIP	2.2K 68K	5%	1/10W 1/10W
R1409	1-216-105-61	METAL CHIP	220K	5%	1/10W	R1468		METAL CHIP		5%	
R1410	1-216-105-61	METAL CHIP	220K	5%	1/10W	R1469	1-216-105-61	METAL CHIP	220K 220K	5%	1/10W
R1411 R1412	1-216-295-61 1-216-295-61	SHORT CHIP SHORT CHIP	0			R1470 R1471	1-216-105-61 1-216-022-00	METAL CHIP METAL CHIP	75	5% 5%	1/10W 1/10W
			100	50/	1/10W	K14/1	1-210-022-00	METAL CHIP	13	370	1/10 W
R1414	1-216-025-61	RES-CHIP	100	5%	1/10 W	R1472	1-216-033-61	RES-CHIP	220	5%	1/10W
R1417	1-216-025-61	RES-CHIP	100	5%	1/10W	R1472	1-216-033-61	RES-CHIP	220	5%	1/10W 1/10W
R1417	1-216-025-61	RES-CHIP	100	5%	1/10W	R1477	1-216-033-01	METAL CHIP	820	5%	1/10W
R1426	1-216-025-61	RES-CHIP	100	5%	1/10W	R1477	1-216-047-00	RES-CHIP	1.2K	5%	1/10W 1/10W
R1428	1-216-025-61	RES-CHIP	100	5%	1/10W	R1479	1-216-051-01	METAL CHIP	220K	5%	1/10W
R1429	1-216-295-61	SHORT CHIP	0	370	1/10**	R1480	1-216-105-61	METAL CHIP	220K	5%	1/10W
KI72)	1 210 275 01	brioki cim	O			R1481	1-216-022-00	METAL CHIP	75	5%	1/10W
R1430	1-216-025-61	RES-CHIP	100	5%	1/10W	R1482	1-216-025-61	RES-CHIP	100	5%	1/10W
R1403	1-216-033-61	RES-CHIP	220	5%	1/10W	R1483	1-216-025-61	RES-CHIP	100	5%	1/10W
R1404	1-216-295-61	SHORT CHIP	0	270	2, 20 . 7	R1484	1-216-025-61	RES-CHIP	100	5%	1/10W
R1406	1-216-017-61	RES-CHIP	47	5%	1/10W	111.01	1 210 020 01	nus em	100	270	1, 10
R1407	1-216-033-61	RES-CHIP	220	5%	1/10W	R1485	1-216-025-61	RES-CHIP	100	5%	1/10W
111.07	1 210 000 01	Table CITI		270	1,1011	R1486	1-216-067-00	METAL CHIP	5.6K	5%	1/10W
R1408	1-216-031-61	RES-CHIP	180	5%	1/10W	R1490	1-216-025-61	RES-CHIP	100	5%	1/10W
R1409	1-216-105-61	METAL CHIP	220K	5%	1/10W	R1491	1-216-025-61	RES-CHIP	100	5%	1/10W
R1410	1-216-105-61	METAL CHIP	220K	5%	1/10W	R1492	1-216-021-61	RES-CHIP	68	5%	1/10W
R1411	1-216-295-61	SHORT CHIP	0	- / -	-,					- / -	-,
R1412	1-216-295-61	SHORT CHIP	0			R1493	1-216-067-00	METAL CHIP	5.6K	5%	1/10W
			-			R1496	1-216-041-61	RES-CHIP	470	5%	1/10W
R1414	1-216-025-61	RES-CHIP	100	5%	1/10W	R1497	1-216-041-61	RES-CHIP	470	5%	1/10W
R1417	1-216-025-61	RES-CHIP	100	5%	1/10W	R1498	1-216-025-61	RES-CHIP	100	5%	1/10W
R1418	1-216-025-61	RES-CHIP	100	5%	1/10W	R1499	1-216-025-61	RES-CHIP	100	5%	1/10W
R1426	1-216-025-61	RES-CHIP	100	5%	1/10W						
R1428	1-216-025-61	RES-CHIP	100	5%	1/10W	R1500	1-216-025-61	RES-CHIP	100	5%	1/10W
						R3200	1-216-121-61	RES-CHIP	1M	5%	1/10W
R1429	1-216-295-61	SHORT CHIP	0			R3201	1-216-121-61	RES-CHIP	1M	5%	1/10W
R1430	1-216-025-61	RES-CHIP	100	5%	1/10W	R3202	1-216-097-61	RES-CHIP	100K	5%	1/10W
R1431	1-216-025-61	RES-CHIP	100	5%	1/10W	R3203	1-216-121-61	RES-CHIP	1M	5%	1/10W



REF.NO.	PART NO.	DESCRIPTION			REMARK	REF.NO.	PART NO.	DESCRIPTION			REMARK
R3204	1-216-061-61	RES-CHIP	3.3G	5%	1/10W	R3262	1-216-115-00	METAL CHIP	560K	5%	1/10W
R3205	1-216-069-61	RES-CHIP	6.8K	5%	1/10W	R3263	1-216-093-11	METAL CHIP	68K	5%	1/10W
R3206	1-216-039-61	RES-CHIP	390	5%	1/10W						
R3207	1-216-073-61	RES-CHIP	10G	5%	1/10W	R3264	1-216-053-61	RES-CHIP	1.5K	5%	1/10W
R3208	1-216-053-61	RES-CHIP	1.5K	5%	1/10W	R3266	1-216-295-61	SHORT CHIP	0	370	1/10//
N3200	1 210 033 01	KLD CIIII	1.51	370	1/10 11	R3267	1-216-049-61	RES-CHIP	1K	5%	1/10W
D2200	1 216 060 61	DEC CHID	6 OV	50/	1/10W/	1			1K 1K		
R3209	1-216-069-61	RES-CHIP	6.8K	5%	1/10W	R3268	1-216-049-61	RES-CHIP		5%	1/10W
R3210	1-216-053-61	RES-CHIP	1.5K	5%	1/10W	R3269	1-216-057-61	RES-CHIP	2.2K	5%	1/10W
R3211	1-216-069-61	RES-CHIP	6.8K	5%	1/10W						
R3212	1-216-049-61	RES-CHIP	1K	5%	1/10W	R3270	1-216-295-61	SHORT CHIP	0		
R3213	1-216-091-61	RES-CHIP	56K	5%	1/10W	R3271	1-216-069-61	RES-CHIP	6.8K	5%	1/10W
						R3272	1-216-069-61	RES-CHIP	6.8K	5%	1/10W
R3214	1-216-295-61	SHORT CHIP	0			R3273	1-216-057-61	RES-CHIP	2.2K	5%	1/10W
R3215	1-216-295-61	SHORT CHIP	0			R3274	1-216-069-61	RES-CHIP	6.8K	5%	1/10W
R3216	1-216-073-61	RES-CHIP	10G	5%	1/10W					- / -	-,
R3217	1-216-073-61	RES-CHIP	10G	5%	1/10W	R3277	1-216-073-61	RES-CHIP	10G	5%	1/10W
						I .					
R3218	1-216-065-61	RES-CHIP	4.7K	5%	1/10W	R3278	1-216-067-00	METAL CHIP	5.6K	5%	1/10W
						R3279	1-216-067-00	METAL CHIP	5.6K	5%	1/10W
R3219	1-216-077-61	RES, CHIP	15K		(2012)	R3280	1-216-033-61	RES-CHIP	220	5%	1/10W
R3220	1-216-097-61	RES-CHIP	100K	5%	1/10W	R3281	1-216-033-61	RES-CHIP	220	5%	1/10W
R3221	1-216-073-61	RES-CHIP	10G	5%	1/10W						
R3222	1-216-073-61	RES-CHIP	10G	5%	1/10W	R3282	1-216-079-00	METAL CHIP	18K	5%	1/10W
R3223	1-216-065-61	RES-CHIP	4.7K	5%	1/10W	R3283	1-216-081-61	RES-CHIP	22K	5%	1/10W
113223	1 210 003 01	RES CITI	1.71	570	1/10 11	R3284	1-216-073-61	RES-CHIP	10G	5%	1/10W
D2224	1 216 115 00	METAL CHID	5.0V	£0/	1/1037	1					
R3224	1-216-115-00	METAL CHIP	560K	5%	1/10W	R3285	1-216-073-61	RES-CHIP	10G	5%	1/10W
R3225	1-216-073-61	RES-CHIP	10G	5%	1/10W	R3286	1-216-073-61	RES-CHIP	10G	5%	1/10W
R3226	1-216-073-61	RES-CHIP	10G	5%	1/10W	R3287	1-216-073-61	RES-CHIP	10G	5%	1/10W
R3227	1-216-129-61	METAL CHIP	2.2M	5%	1/10W	R3288	1-216-073-61	RES-CHIP	10G	5%	1/10W
R3228	1-216-085-00	METAL CHIP	33K	5%	1/10W	R3289	1-216-073-61	RES-CHIP	10G	5%	1/10W
						R3290	1-216-081-61	RES-CHIP	22K	5%	1/10W
R3229	1-216-095-61	RES-CHIP	82K	5%	1/10W	R3291	1-216-079-00	METAL CHIP	18K	5%	1/10W
						K3271	1-210-077-00	WILLIAL CITI	1010	370	1/10**
R3230	1-216-055-61	RES-CHIP	1.8K	5%	1/10W	D.220.4	4.044.050.44	DEG GUID	100		4 /4 0777
R3231	1-216-091-61	RES-CHIP	56K	5%	1/10W	R3294	1-216-073-61	RES-CHIP	10G	5%	1/10W
R3232	1-216-089-61	RES, CHIP	47K		(2012)	R3295	1-216-065-61	RES-CHIP	4.7K	5%	1/10W
R3233	1-216-069-61	RES-CHIP	6.8K	5%	1/10W	R3296	1-216-065-61	RES-CHIP	4.7K	5%	1/10W
R3234	1-216-039-61	RES-CHIP	390	5%	1/10W	R3297	1-216-069-61	RES-CHIP	6.8K	5%	1/10W
R3235	1-216-101-61	RES-CHIP	150K	5%	1/10W	R3298	1-216-069-61	RES-CHIP	6.8K	5%	1/10W
R3236	1-216-113-61	RES-CHIP	470K	5%	1/10W						
R3237	1-216-065-61	RES-CHIP	4.7K	5%	1/10W	R3299	1-216-069-61	RES-CHIP	6.8K	5%	1/10W
R3238	1-216-073-61	RES-CHIP	10G	5%	1/10W	R6201	1-216-065-61	RES-CHIP	4.7K	5%	1/10W
K3236	1-210-073-01	кез-спіг	100	370	1/10 W	I .					
D.2.2.0	4.044.050.44	DEG CIVE	100	= 0.1	4 /4 0777	R6202	1-216-065-61	RES-CHIP	4.7K	5%	1/10W
R3239	1-216-073-61	RES-CHIP	10G	5%	1/10W	R6203	1-216-295-61	SHORT CHIP	0		
R3240	1-216-081-61	RES-CHIP	22K	5%	1/10W	R6209	1-216-049-61	RES-CHIP	1K	5%	1/10W
R3241	1-216-093-11	METAL CHIP	68K	5%	1/10W						
R3242	1-216-081-61	RES-CHIP	22K	5%	1/10W	R6213	1-216-073-61	RES-CHIP	10G	5%	1/10W
R3243	1-216-073-61	RES-CHIP	10G	5%	1/10W	R6214	1-216-073-61	RES-CHIP	10G	5%	1/10W
						R6219	1-216-089-61	RES, CHIP	47K		(2012)
R3244	1-216-073-61	RES-CHIP	10G	5%	1/10W	R6245	1-216-053-61	RES-CHIP	1.5K	5%	1/10W
R3245	1-216-073-61	RES-CHIP	100K	5%	1/10W	R6246	1-216-053-61	RES-CHIP	1.5K	5%	1/10W
						10240	1 210-033-01	ALS CIII	1.511	370	1/10 11
R3246	1-216-065-61	RES-CHIP	4.7K	5%	1/10W	D C 25 4	1 21/2 012 61	METAL CUID	22	£0/	1/10337
R3247	1-216-101-61	RES-CHIP	150K	5%	1/10W	R6254	1-216-013-61	METAL CHIP	33	5%	1/10W
R3248	1-216-081-61	RES-CHIP	22K	5%	1/10W	R6255	1-216-308-61	METAL CHIP	4.7	5%	1/10W
						R6258	1-216-013-61	METAL CHIP	33	5%	1/10W
R3249	1-216-073-61	RES-CHIP	10G	5%	1/10W	R6259	1-216-308-61	METAL CHIP	4.7	5%	1/10W
R3250	1-216-049-61	RES-CHIP	1K	5%	1/10W	R6278	1-216-295-61	SHORT CHIP	0		
R3251	1-216-101-61	RES-CHIP	150K	5%	1/10W						
R3252	1-216-113-61	RES-CHIP	470K	5%	1/10W						
R3253	1-216-065-61	RES-CHIP	4.7K	5%	1/10W						
NJ4JJ	1-210-003-01	MLD-CIIII	T. / IX	370	1/10 **	******	******	*******	******	******	*****
D2254	1 01/ 070 //	DEC CHIP	100	50/	1/10337						
R3254	1-216-073-61	RES-CHIP	10G	5%	1/10W						
R3255	1-216-121-61	RES-CHIP	1M	5%	1/10W						
R3256	1-216-121-61	RES-CHIP	1M	5%	1/10W						
R3257	1-216-097-61	RES-CHIP	100K	5%	1/10W						
R3258	1-216-121-61	RES-CHIP	1M	5%	1/10W						
	31			- /							
R3259	1-216-061-61	RES-CHIP	3.3G	5%	1/10W						
R3259 R3260			100								
	1-216-025-61	RES-CHIP		5%	1/10W						
R3261	1-216-025-61	RES-CHIP	100	5%	1/10W						



A-181911-A* CROARD MOUNTED *** 4-382-854-11 SCREW (ASXIO), P. 5W (+) **CAPACITOR** **COIL-* *	REF.NO. PA	ART NO.	DESCRIPTION			REMARK	REF.NO.	PART NO.	DESCRIPTION			REMARK
C100	* A-	1331-911-A	C BOARD MOUNT	ΓED					<ic></ic>			
A 382 854-11 SCREW (MIXIO), P.SW (+) CIRO R-759-82-38 CILA6510 CICA65 CICACK			******	***			IC701	8-759-561-28	IC STV5112			
	4-3	382-854-11	SCREW (M3X10),	P, SW (+)								
CORD			<capacitor></capacitor>						<jack></jack>			
					5%	l l	J701 🛆	1-540-071-22	SOCKET, CRT			
					10.00%							
1-102-225-00 CERAMIC 479F									<coil></coil>			
1-102-223-00 CERAMIC 479F 10.00% 500V 1.706 1-141-148-31 INDUCTOR 33UH 1-141-148-	C708 1-1	102-228-00	CERAMIC	470PF	10.00%	500V						
C710	C709 1-1	102-228-00	CERAMIC	470PF	10.00%	. 500V						
C712												
CT12												
C716	C712 1-1	102-525-11	CERAMIC	68PF	5.00%	50V	E/O/	1 111 100 31	II.Deeron	33011		
C171	C713 1-1	102-228-00	CERAMIC	470PF	10.00%	500V						
C170	C716 1 1	128 526 11	EI ECT	100HE	20.00%	. 25V			<transistor></transistor>			
C1800 1-126-964-11 ELECT							01900	9 720 120 09	TD A NCICTOD 2C	A 1175TD LIE	2	
C1800 1-126-964-11 ELECT 10UF 20.00% 50V C1803 1-126-964-11 ELECT 10UF 20.00% 50V C1809 1-126-942-61 ELECT 10UF 20.00% 50V C0NNECTOR- R701 1-249-996-11 CARBON 10 5% 1/4W C0NNECTOR- R702 1-215-64-900 METAL 100K 18 1/4W CN700 1-695-915-11 TAB (CONTACT) CN701 1-508-765-00 PIN, CONNECTOR 69 R704 1-215-144-00 METAL 510 18 1/4W CN702 1-695-915-11 TAB (CONTACT) CN703 1-654-99-11 TAB (CONTACT) CN704 1-695-915-11 TAB (CONTACT) CN705 1-695-915-11 TAB (CONTACT) CN706 1-695-915-11 TAB (CONTACT) CN707 1-564-509-11 PLUG, CONNECTOR 6P CN708 1-564-509-11 PLUG, CONNECTOR 6P CN1801* 1-564-509-11 PLUG, CONNECTOR 6P CN1801* 1-564-509-11 PLUG, CONNECTOR 6P CN1802* 1-564-509-11 PLUG, CONNECTOR 6P CN1802* 1-564-509-11 PLUG, CONNECTOR 6P CN1801* 1-564-509-11 PLUG, CONNECTOR 6P CN1802* 1-564-509-11 PLUG, CONNECTOR 6P CN1801* 1-564-509-11 PLUG, CONNECTOR 6P CN1802* 1-564-509-11 PLUG, CONNECTOR 6P CN1801* 1-564-509-11 PLUG, CONNECTOR 6P CN1801* 1-564-509-11 PLUG, CONNECTOR 6P CN1802* 1-564-509-11 PLUG, CONNECTOR 6P CN700* 1-605-91-91-91-91-91 CN700* 1-605-91-91-91-91-91 CN700* 1-605-91-91-91-91-91 CN700* 1-605-91-91-91-91-							-					
C1804	C1800 1-1	126-964-11	ELECT	10UF	20.00%	50V	Q1002	0-725-115-50	TRANSISTOR 250	C270311-1111	_	
C1809 1-126-94-11 ELECT 10UF 20.00% 50V R700 1-249-393-11 CARBON 10 5% 14W R701 1-249-496-11 CARBON 10 5% 14W R702 1-215-40-00 METAL 100K 19% 14W R703 1-215-41-00 METAL 510 19% 14W R703 1-215-41-00 METAL 510 19% 14W R703 1-215-41-00 METAL 510 19% 14W R704 1-209-91-91 METAL MELF 1.2K 5% 1.2W CK702 1-695-915-11 TAB (CONTACT) R706 1-240-297-91 METAL MELF 1.2K 5% 1.2W CK704 1-695-915-11 TAB (CONTACT) R707 1-215-41-00 METAL 510 19% 14W R704 1-695-915-11 TAB (CONTACT) R708 1-240-297-91 METAL MELF 1.2K 5% 1.2W R709 1-215-903-11 METAL OXIDE 68K 5% 2W R709 1-215-903-11 METAL OXIDE 68K 5% 2W R709 1-215-903-11 METAL OXIDE 68K 5% 2W R714 1-220-965-91 METAL OXIDE 68K 5% 2W R714 1-220-965-91 METAL MELF 1.2K 5% 1.2W R714 1-220-965-91 METAL MELF 1.2K 5% 1.2W R714 1-220-965-91 METAL MELF 1.2K 5% 1.2W R714 1-220-965-91 METAL OXIDE 68K 5% 2W R714 1-220-965-91 METAL OXIDE 68K 5% 2W R714 1-220-965-91 METAL MELF 4.7K 5% 1.2W R714 1-220-965-91 METAL MELF	C1803 1-1	126-964-11	ELECT	10UF	20.00%	50V						
C1809	C1904 1 1	126 064 11	ELECT	10115	20.000/	501/			<resistor></resistor>			
R701 1-249-496-11 CARBON 100K 5% 12W							D700	1 240 202 11	CADDON	10	50/	1//\\
CONNECTORS	01007	.20 / .2 01	ZZZC1	100001	20.007							
CONNECTORS R703 1-215-414-00 METAL 510 196 14W												
CN700			<connector></connector>				R703	1-215-414-00	METAL	510	1%	1/4W
CN701 1-508-765-00 PIN, CONNECTOR (5MM PITCH) 3P R706 1-240-297-91 METAL MELF 1.2K 5% 1/2W	CNIZOO 1	(05 015 11	TAD (CONTACT)				R704	1-215-414-00	METAL	510	1%	1/4W
CN702			,	(5MM PITC	H) 3D		D705	1 240 207 01	METAL MELE	1.01/	£0/	1 /2337
CN703 * 1-564-509-11 PLUG, CONNECTOR 6P R707 1-215-414-00 METAL 510 1% 1/4W				(JIVIIVI I I I C	11) 31							
CN704				OR 6P								
CN706 1-695-915-11 TAB (CONTACT) CN1801* 1-564-509-11 PLUG, CONNECTOR 6P R711 1-215-903-11 METAL OXIDE 68K 5% 2W R713 1-215-467-00 METAL R714 1-220-965-91 METAL CHIP 4.7K 5% 1/2W R715 1-220-955-91 METAL MELF 470 5% 1/2W R716 1-220-954-91 METAL MELF 470 5% 1/2W R717 1-220-965-91 METAL MELF 470 5% 1/2W R718 1-247-752-11 CARBON 1K 5% 1/2W R719-921-20 DIODE ISS119-25TD R716 1-220-965-91 METAL CHIP 4.7K 5% 1/2W R719-921-20 DIODE HSS83TD R719 1-220-965-91 METAL CHIP 4.7K 5% 1/2W R719-921-20 DIODE HSS83TD R719 1-220-965-91 METAL CHIP 4.7K 5% 1/2W R719-921-20 DIODE HSS83TD R719 1-220-965-91 METAL CHIP 4.7K 5% 1/2W R719-921-20 DIODE HSS83TD R719 1-220-965-91 METAL CHIP 4.7K 5% 1/2W R719-921-20 DIODE HSS83TD R719 1-220-965-91 METAL CHIP 4.7K 5% 1/2W R719-921-20 DIODE HSS83TD R719 1-220-965-91 METAL CHIP 4.7K 5% 1/2W R719-921-20 DIODE HSS83TD R719-921-20 DIODE HSS83TD R724 1-247-752-11 CARBON 1K 5% 1/2W R719-921-20 DIODE HSS119-25TD R730 1-216-392-11 METAL CHIP 4.7K 5% 1/2W R719-921-20 DIODE HSS119-25TD R730 1-216-392-11 METAL CHIP 4.7K 5% 1/2W R719-921-20 DIODE HSS119-25TD R730 1-216-392-11 METAL CHIP 4.7K 5% 1/2W R719-921-20 DIODE HSS119-25TD R730 1-216-392-11 METAL CHIP 4.7K 5% 1/2W R719-921-20 DIODE HSS119-25TD R730 1-216-392-11 METAL CHIP 4.7K 5% 1/2W R719-921-20 DIODE HSS119-25TD R730 1-216-392-11 METAL CHIP 4.7K 5% 1/2W R719-921-20 DIODE HSS119-25TD R719-921-20 D	CN704 1-6	595-915-11	TAB (CONTACT)									
CN1801 * 1-564-509-11 PLUG, CONNECTOR 6P R711 1-215-903-11 METAL OXIDE 68K 5% 2W R712 1-215-903-11 METAL OXIDE 68K 5% 2W R712 1-215-903-11 METAL OXIDE 68K 5% 2W R713 1-215-467-00 METAL 82K 1% 1/4W R714 1-220-965-91 METAL CHIP 4.7K 5% 1/2W R715 1-220-958-91 METAL MELF 470 5% 1/2W R715 1-220-954-91 METAL MELF 470 5% 1/2W R715 1-220-954-91 METAL MELF 470 5% 1/2W R715 1-220-954-91 METAL MELF 470 5% 1/2W R716 1-220-954-91 METAL MELF 470 5% 1/2W R716 1-220-954-91 METAL CHIP 4.7K 5% 1/2W R716 1-220-954-91 METAL CHIP 4.7K 5% 1/2W R719 1-220-965-91 METAL CHIP 4.7K 5% 1/2W R720 1-247-752-11 CARBON 1K 5% 1/2W R720 1-247-752-11 CARBON 100 5% 1/2W R720 1-247-752-11 CARBON 1.2 5% 1/4W R720 1-249-382-11 CARBON 1.2 5% 1/4W R720 1-220-965-91 METAL CHIP 4.7K 5% 1/2W R720 1-220-965-91 METAL CHIP 4.7K 5% 1/2W R720 1-220-965-91 METAL CHIP 4.7K 5% 1/2W R720	CD 750 5 4 4		m. p. (20.1 m.) cm				R709	1-215-903-11	METAL OXIDE	68K	5%	2W
CN1802 * 1-564-506-11				OR 6P			D711	1 215 002 11	METAL OVIDE	COL	£0/	211/
R713 1-215-467-00 METAL 82K 1% 1/4W R714 1-220-965-91 METAL CHIP 4.7K 5% 1/2W R715 1-220-954-91 METAL MELF 470 5% 1/2W R717 1-220-965-91 METAL CHIP 4.7K 5% 1/2W R719-921-20 DIODE ISS119-25TD R718 1-247-752-11 CARBON 1K 5% 1/2W R719 1-220-965-91 METAL CHIP 4.7K 5% 1/2W R719 1-220-965-91 METAL MELF 4.7W 5% 1/2W R719 1-220-965-91 METAL MELF 4.7W 5% 1/2W R719 1-220-965-91 METAL MELF 4.7W 5% 1/2W R719 1-247-752-11 CARBON 1K 5% 1/2W R719 1-247-752-11 CARBON 1W 1/4W R719 1-247-752-11 CARBON 1W 1/4W R719 1-247-752-11 CARBON 100 5% 1/2W R719 1-247-752-11 CARBON 100 5% 1/2W R719 1-247-752-11 CARBON 100 5% 1/2W R719 1-247-752-11 CARBON 1.2 5% 1/4W R719 1-249-382-11 CARBON 1.2 5% 1/4W R719 1-220-965-91 METAL CHIP 4.7K 5% 1/2W R719			· · · · · · · · · · · · · · · · · · ·									
R714 1-220-965-91 METAL CHIP 4.7K 5% 1/2W			,									
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D703 8-719-921-20 DIODE ISS119-25TD R717 1-220-965-91 METAL CHIP 4.7K 5% 1/2W D705 8-719-051-85 DIODE HSS83TD R719 1-220-965-91 METAL CHIP 4.7K 5% 1/2W D706 8-719-051-85 DIODE HSS83TD R722 1-247-752-11 CARBON 1K 5% 1/2W D706 8-719-051-85 DIODE HSS83TD R722 1-247-752-11 CARBON 1K 5% 1/2W D707 8-719-051-85 DIODE HSS83TD R722 1-247-752-11 CARBON 1K 5% 1/2W D708 8-719-921-20 DIODE ISS119-25TD R724 1-247-752-11 CARBON 1K 5% 1/2W D709 8-719-921-20 DIODE ISS119-25TD R730 1-216-392-11 METAL DXIDE 1.8 5% 3W D710 8-719-921-20 DIODE ISS119-25TD R734 1-247-739-11 CARBON 100 5% 1/2W D711 8-719-110-23 DIODE RD11ES-T1B3 R744 1-215-415-00 METAL 560 1% 1/4W D720 8-719-921-20 DIODE ISS119-25TD R734 1-247-739-11 CARBON 100 5% 1/2W D721 8-719-921-20 DIODE ISS119-25TD R744 1-215-415-00 METAL 560 1% 1/4W D720 8-719-921-20 DIODE ISS119-25TD R1800 1-220-958-91 RES, METAL FILM 1K R1801 1-220-966-91 METAL CHIP 5.6K 5% 1/2W D1803 8-719-921-20 DIODE ISS119-25TD R1803 1-249-382-11 CARBON 1.2 5% 1/4W D1804 8-719-921-20 DIODE ISS119-25TD R1803 1-249-382-11 CARBON 1.2 5% 1/4W D1808 8-719-908-03 DIODE GP08DPKG23 R1805 1-220-966-91 METAL CHIP 10K 5% 1/2W R1808 1-220-965-91 METAL CHIP 4.7K 5% 1/2W R1809 1-220-974-91 METAL CHIP 33K 5% 1/2W	D702 8-7	719-921-20	DIODE 188119-25	LD			D716	1 220 054 01	METAL MELE	470	50/	1/233/
D704 8-719-921-20 DIODE ISS119-25TD D705 8-719-051-85 DIODE HSS83TD D706 8-719-051-85 DIODE HSS83TD D707 8-719-051-85 DIODE HSS83TD D708 8-719-051-85 DIODE HSS83TD D709 8-719-921-20 DIODE ISS119-25TD D709 8-719-921-20 DIODE ISS119-25TD D710 8-719-921-20 DIODE ISS119-25TD D711 8-719-110-23 DIODE ISS119-25TD D720 8-719-921-20 DIODE ISS119-25TD D720 8-719-921-20 DIODE ISS119-25TD D721 8-719-921-20 DIODE ISS119-25TD D722 8-719-921-20 DIODE ISS119-25TD D738 8-719-921-20 DIODE ISS119-25TD D740 8-719-921-20 DIODE ISS119-25TD D750 8-719												
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D708 8-719-921-20 DIODE 1SS119-25TD R724 1-247-752-11 CARBON 1K 5% 1/2W D709 8-719-921-20 DIODE 1SS119-25TD R730 1-216-392-11 METAL OXIDE 1.8 5% 3W D710 8-719-921-20 DIODE 1SS119-25TD R734 1-247-739-11 CARBON 100 5% 1/2W D711 8-719-10-23 DIODE RD11ES-T1B3 R744 1-215-415-00 METAL 560 1% 1/4W D720 8-719-921-20 DIODE 1SS119-25TD R1800 1-220-958-91 RES, METAL FILM 1K N D721 8-719-921-20 DIODE 1SS119-25TD R1801 1-220-966-91 METAL CHIP 5.6K 5% 1/2W D1803 8-719-921-20 DIODE 1SS119-25TD R1802 1-249-382-11 CARBON 1.2 5% 1/4W D1804 8-719-908-03 DIODE 1SS119-25TD R1803 1-249-382-11 CARBON 1.2 5% 1/4W D1808 8-719-908-03 DIODE GP08DPKG23 <	D706 8-7	719-051-85	DIODE HSS83TD				R722	1-247-752-11	CARBON	1K	5%	1/2W
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D721 8-719-921-20 DIODE ISS119-25TD R1800 1-220-958-91 RES, METAL FILM 1K D722 8-719-921-20 DIODE ISS119-25TD R1801 1-220-966-91 METAL CHIP 5.6K 5% 1/2W D1803 8-719-921-20 DIODE ISS119-25TD R1802 1-249-382-11 CARBON 1.2 5% 1/4W D1804 8-719-921-20 DIODE ISS119-25TD R1803 1-249-382-11 CARBON 1.2 5% 1/4W D1808 8-719-908-03 DIODE GP08DPKG23 R1805 1-220-969-91 METAL CHIP 10K 5% 1/2W R1806 1-220-965-91 METAL CHIP 4.7K 5% 1/2W R1808 1-220-965-91 METAL CHIP 4.7K 5% 1/2W R1809 1-220-974-91 METAL CHIP 33K 5% 1/2W	D711 8-7	719-110-23	DIODE RD11ES-T	1B3			R744	1-215-415-00	METAL	560	1%	1/4W
D721 8-719-921-20 DIODE ISS119-25TD R1800 1-220-958-91 RES, METAL FILM 1K D722 8-719-921-20 DIODE ISS119-25TD R1801 1-220-966-91 METAL CHIP 5.6K 5% 1/2W D1803 8-719-921-20 DIODE ISS119-25TD R1802 1-249-382-11 CARBON 1.2 5% 1/4W D1804 8-719-921-20 DIODE ISS119-25TD R1803 1-249-382-11 CARBON 1.2 5% 1/4W D1808 8-719-908-03 DIODE GP08DPKG23 R1805 1-220-969-91 METAL CHIP 10K 5% 1/2W R1806 1-220-965-91 METAL CHIP 4.7K 5% 1/2W R1808 1-220-965-91 METAL CHIP 4.7K 5% 1/2W R1809 1-220-974-91 METAL CHIP 33K 5% 1/2W	D720 8-7	719-921-20	DIODE 1SS119-25'	ΓD			R745	1-215-410-00	METAL.	360	1%	1/4W
D722 8-719-921-20 DIODE ISS119-25TD R1801 1-220-966-91 METAL CHIP 5.6K 5% 1/2W D1803 8-719-921-20 DIODE ISS119-25TD R1802 1-249-382-11 CARBON 1.2 5% 1/4W D1804 8-719-921-20 DIODE ISS119-25TD R1803 1-249-382-11 CARBON 1.2 5% 1/4W D1808 8-719-908-03 DIODE GP08DPKG23 R1805 1-220-969-91 METAL CHIP 10K 5% 1/2W R1806 1-220-965-91 METAL CHIP 4.7K 5% 1/2W R1808 1-220-965-91 METAL CHIP 4.7K 5% 1/2W R1809 1-220-974-91 METAL CHIP 33K 5% 1/2W											1 /0	1/4**
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D1808 8-719-908-03 DIODE GP08DPKG23 R1805 1-220-969-91 METAL CHIP 10K 5% 1/2W R1806 1-220-965-91 METAL CHIP 4.7K 5% 1/2W R1808 1-220-965-91 METAL CHIP 4.7K 5% 1/2W R1809 1-220-974-91 METAL CHIP 33K 5% 1/2W												
R1806 1-220-965-91 METAL CHIP 4.7K 5% 1/2W R1808 1-220-965-91 METAL CHIP 4.7K 5% 1/2W R1809 1-220-974-91 METAL CHIP 33K 5% 1/2W	D1804 8-7	/19-921-20	DIODE 1SS119-25'	ID			R1803	1-249-382-11	CARBON	1.2	5%	1/4W
R1806 1-220-965-91 METAL CHIP 4.7K 5% 1/2W R1808 1-220-965-91 METAL CHIP 4.7K 5% 1/2W R1809 1-220-974-91 METAL CHIP 33K 5% 1/2W	D1808 8-7	719-908-03	DIODE GP08DPK0	G23			R1805	1-220-969-91	METAL CHIP	10K	5%	1/2W
R1808 1-220-965-91 METAL CHIP 4.7K 5% 1/2W R1809 1-220-974-91 METAL CHIP 33K 5% 1/2W												
							R1808			4.7K		
R1810 1-220-974-91 METAL CHIP 33K 5% 1/2W												
						ļ	K1810	1-220-974-91	METAL CHIP	33K	5%	1/2W







REF.NO. PART NO.	DESCRIPTION		REMARK	REF.NO.	PART NO.	DESCRIPTION		REMARK
R1811 1-249-440-11 R1812 1-220-974-91 R1821 1-249-440-11	CARBON 82K METAL CHIP 33K CARBON 82K	5% 5% 5%	1/4W 1/2W 1/4W	*	* A-1372-866-A	H3 BOARD MOU		
R1822 1-220-974-91 R1823 1-220-966-91	METAL CHIP 33K METAL CHIP 5.6K	5% 5%	1/4W 1/2W 1/2W	*	* 4-055-304-01	HOLDER, LED		
R1824 1-220-974-91 R1825 1-220-963-91	METAL CHIP 33K METAL MELF 3.3K	5% 5%	1/2W 1/2W	G2000		<capacitor></capacitor>	0.044	- 000 - 000
	<variable resistor=""></variable>			C3900 C3902	1-136-153-00 1-136-153-00	MYLAR MYLAR	0.01UF 0.01UF	5.00% 50V 5.00% 50V
RV702 1-241-656-11 RV1801 1-223-241-11	RES, ADJ, METAL FILM 110 RES, ADJ, CARBON 47K)M		C3904 C3905 C3906	1-104-664-11 1-125-805-91 1-125-805-91	ELECT ELECT ELECT	47UF 4.7UF 4.7UF	20.00% 25V 20.00% 50V 20.00% 50V
	<spark gap=""></spark>			C3910 C3911 C3912	1-104-664-11 1-104-664-11 1-102-114-00	ELECT ELECT CERAMIC	47UF 47UF 470PF	20.00% 16V 20.00% 16V 10.00% 50V
SG701 1-519-422-11	GAP, SPARK			C3913 C3914	1-125-799-91 1-126-965-11		1UF 22UF	20.00% 63V 20.00% 50V
******	********	******	*****			<connector></connector>		
* A-1241-361-A	F BOARD MOUNTED			CN36023	* 1-580-844-11 * 1-580-844-11 1-695-915-11	PIN, CONNECTO PIN, CONNECTO TAB (CONTACT)		
1-533-223-11	HOLDER, FUSE			CN39013	* 1-564-507-11 * 1-564-509-11	PLUG, CONNECT PLUG, CONNECT		
	<capacitor></capacitor>				* 1-564-512-11 * 1-564-512-11	PLUG, CONNECT PLUG, CONNECT		
C654	CERAMIC 0.0047UI MYLAR 0.47UF		250V 0% 250V			<diode></diode>		
C4602 \(\Delta \) 1-109-835-11	MYLAR 0.68UF		0% 250V	D3900	8-719-070-16	DIODE NNCD9.1.	A-T1	
				D3901	8-719-070-16	DIODE NNCD9.1.	A-T1	
	<connector></connector>			D3902 D3905	8-719-070-16 8-719-070-16	DIODE NNCD9.1. DIODE NNCD9.1.		
CN4601* 1-580-843-11	PIN, CONNECTOR (POWER	R)		D3906	8-719-045-19	DIODE SPB-26M	VWF	
CN4602 * 1-580-843-11 CN4603 1-695-915-11	PIN, CONNECTOR (POWER TAB (CONTACT)	R)		D3907 D3908	8-719-070-16 8-719-070-16	DIODE NNCD9.1. DIODE NNCD9.1.		
	<fuse></fuse>					<ic></ic>		
F4601	FUSE, TIME-LAG 5A/250V			IC3901	8-742-014-21	HYB IC SBX1981	-51(21)	
	<resistor></resistor>					<jack></jack>		
R4601	SOLID 1M	10%	1/2W	J3901 J3902	1-750-264-11 1-784-646-11	JACK TERMINAL, S		
	<transformer></transformer>			J3903	1-770-329-11	JACK, PIN 3P		
T4601 1-431-536-11 T4602 1-431-182-11	TRANSFORMER, LINE FILT TRANSFORMER, LINE FILT					<coil></coil>		
1.002 1.01102-11	<pre><varistor></varistor></pre>			L3901 L3902	1-414-183-41 1-414-183-41	INDUCTOR INDUCTOR	10UH 10UH	
VDD461 1 002 020 11						TID A MOYOTOF		
VDR461 1-803-830-11	VARISTOR (ERZV14D621)					<transistor></transistor>		
*******	********	*****	*****	Q3901 Q3902	8-729-030-02 8-729-030-02	TRANSISTOR DT TRANSISTOR DT		

H3 **VM**1

REF.NO.											
	PART NO.	DESCRIPTION			REMARK	REF.NO.	PART NO.	DESCRIPTION			REMA
		<resistor></resistor>				C5913	1-130-471-00	MYLAR	0.001UF	5.00%	50V
		(REDIDTOR)				C5914	1-126-933-11	ELECT	100UF	20.00%	
2000	1 220 052 01	METAL MELE	220	£0/	1 /2337	C5914		MYLAR	0.047UF	5.00%	
R3900	1-220-952-91	METAL MELF	330	5%	1/2W		1-130-491-00				
R3901	1-220-952-91	METAL MELF	330	5%	1/2W	C5917	1-126-925-11	ELECT	470UF	20.009	
3902	1-247-804-11	CARBON	75	5%	1/4W	C5918	1-115-341-51	CERAMIC	120PF	10.009	%500V
R3904	1-220-969-91	METAL CHIP	10K	5%	1/2W						
R3905	1-220-969-91	METAL CHIP	10K	5%	1/2W	C5920 C5921	1-125-797-91 1-102-852-91	ELECT CERAMIC	10UF 47PF	20.009 5.00%	
R3907	1-220-966-91	METAL CHIP	5.6K	5%	1/2W	C3921	1-102-032-91	CERAMIC	4/11	3.00%	30 v
R3908	1-220-954-91	METAL MELF	470	5%	1/2W						
3909	1-220-958-91	RES, METAL FILM	M 1K					<connector></connector>			
3910	1-220-960-91	METAL MELF	1.8K	5%	1/2W						
3911	1-220-952-91	METAL MELF	330	5%	1/2W	CN5901*	1-564-510-11	PLUG, CONNECT	OR 7P		
3912	1-220-963-91	METAL MELF	3.3K	5%	1/2W	CN5904*	1-770-723-11	CONNECTOR, BO	DARD TO BO	DARD 8P)
R3913	1-220-969-91	METAL CHIP	10K	5%	1/2W			DIODE			
3914	1-220-952-91	METAL MELF	330	5%	1/2W			<diode></diode>			
3915	1-220-969-91	METAL CHIP	10K	5%	1/2W						
3916	1-249-401-11	CARBON	47	5%	1/4W	D5901	8-719-921-20	DIODE 1SS119-25			
						D5902	8-719-110-88	DIODE MTZJ-T-7			
3917	1-247-804-11	CARBON	75	5%	1/4W	D5903	8-719-921-20	DIODE 1SS119-25			
3918	1-220-951-91	METAL	220	5%	1/2W	D5904	8-719-110-88	DIODE MTZJ-T-7			
3919	1-220-951-91	METAL	220	5%	1/2W	D5905	8-719-921-20	DIODE 1SS119-25	STD		
3920	1-220-948-91	METAL	100	5%	1/2W						
3921	1-220-948-91	METAL	100	5%	1/2W	D5906	1-249-406-11	CARBON	120	5%	1/4W
3922	1-220-961-91	METAL CHIP	2.2K	5%	1/2W	D5907	1-249-406-11	CARBON	120	5%	1/4W
R3923	1-220-951-91	METAL CITI	220	5%	1/2W						
3923	1-247-804-11	CARBON	75	5%	1/2 W 1/4W			<coil></coil>			
.5,21	1 217 001 11	Синдогу	7.5	570	1/ 111			COLL			
		<switch></switch>				L5901 L5902	1-414-187-11 1-414-856-11	INDUCTOR	47UH 10UH		
		<3WIIC⊓>				L3902	1-414-030-11	INDUCTOR	10011		
	1-571-433-21	SWITCH, PUSH (A	AC POWER)								
3902	1-692-431-21	SWITCH, TACTIL	E					<transistor></transistor>			
3903	1-692-431-21	SWITCH, TACTIL	E								
3904	1-692-431-21	SWITCH, TACTIL	E			Q5901	8-729-230-45	TRANSISTOR 2S	C2458TP-YC	iR	
3905	1-692-431-21	SWITCH, TACTIL	E			Q5902	8-729-809-26	TRANSISTOR 2S.	A1606-E		
						Q5903	8-729-230-45	TRANSISTOR 2S	C2458TP-YC	βR	
3906	1-692-431-21	SWITCH, TACTIL	E			Q5904	8-729-139-98	TRANSISTOR 2S.	A1175TP-HF	E	
3907	1-692-431-21	SWITCH, TACTIL	E			Q5905	8-729-230-45	TRANSISTOR 2S	C2458TP-YC	βR	
3908											
	1-692-431-21	SWITCH, TACTIL									
	1-692-431-21	SWITCH, TACTIL	L			Q5906	8-729-809-29	TRANSISTOR 2S	C4159-E		
	1-692-431-21	SWITCH, TACTIL	L			Q5906 Q5908	8-729-809-29 8-729-139-96	TRANSISTOR 2S		Έ	
	1-692-431-21	SWITCH, TACTIL	L			1 ~			C2785TP-HF		
*****		SWITCH, TACTIL		*****	*****	Q5908	8-729-139-96	TRANSISTOR 2S	C2785TP-HF		
*****		ŕ		*****	****	Q5908	8-729-139-96	TRANSISTOR 2S	C2785TP-HF		
	********	ŕ	******	*****	******	Q5908	8-729-139-96 8-729-139-96	TRANSISTOR 2S	C2785TP-HF C2785TP-HF		
	********	*******	**************************************	*****	********	Q5908	8-729-139-96	TRANSISTOR 2S	C2785TP-HF		1/2W
	********	**************************************	**************************************	*****	****	Q5908 Q5909	8-729-139-96 8-729-139-96	TRANSISTOR 2S TRANSISTOR 2S <resistor></resistor>	C2785TP-HF C2785TP-HF	E	1/2W 1/4W
	**************************************	**************************************	**************************************	*****	*****	Q5908 Q5909 R5901	8-729-139-96 8-729-139-96 1-220-951-91	TRANSISTOR 2S TRANSISTOR 2S <resistor></resistor>	C2785TP-HF C2785TP-HF 220	E 5%	
	********	**************************************	**************************************	****	****	Q5908 Q5909 R5901 R5902	8-729-139-96 8-729-139-96 1-220-951-91 1-249-414-11	TRANSISTOR 2S TRANSISTOR 2S <resistor> METAL CARBON</resistor>	C2785TP-HF C2785TP-HF 220 560	5% 5%	1/4W
	**************************************	**************************************	**************************************	*****	****	Q5908 Q5909 R5901 R5902 R5903	8-729-139-96 8-729-139-96 1-220-951-91 1-249-414-11 1-247-734-11	TRANSISTOR 2S TRANSISTOR 2S <resistor> METAL CARBON CARBON</resistor>	C2785TP-HF C2785TP-HF 220 560 39 330	5% 5% 5%	1/4W 1/2W
	**************************************	**************************************	**************************************	*****	****	Q5908 Q5909 R5901 R5902 R5903 R5904 R5905	8-729-139-96 8-729-139-96 1-220-951-91 1-249-414-11 1-247-734-11 1-220-952-91 1-220-958-91	TRANSISTOR 2S TRANSISTOR 2S <resistor> METAL CARBON CARBON METAL MELF RES, METAL FILL</resistor>	C2785TP-HF C2785TP-HF 220 560 39 330 M 1K	5% 5% 5%	1/4W 1/2W
*	* A-1342-476-A 4-382-854-11	**************** VM1 BOARD MO *************** SCREW (M3X10), <capacitor></capacitor>	**************************************			Q5908 Q5909 R5901 R5902 R5903 R5904 R5905	8-729-139-96 8-729-139-96 1-220-951-91 1-249-414-11 1-247-734-11 1-220-952-91 1-220-958-91 1-220-958-91	TRANSISTOR 2S TRANSISTOR 2S <resistor> METAL CARBON CARBON METAL MELF RES, METAL FILL RES, METAL FILL</resistor>	C2785TP-HF C2785TP-HF 220 560 39 330 M 1K	5% 5% 5%	1/4W 1/2W
*25902	**************************************	VM1 BOARD MO *************** SCREW (M3X10), <capacitor> ELECT</capacitor>	**************************************		% 16V	Q5908 Q5909 R5901 R5902 R5903 R5904 R5905 R5906 R5907	8-729-139-96 8-729-139-96 1-220-951-91 1-249-414-11 1-247-734-11 1-220-958-91 1-220-958-91 1-220-958-91	TRANSISTOR 2S TRANSISTOR 2S <resistor> METAL CARBON CARBON METAL MELF RES, METAL FILL RES, METAL FILL RES, METAL FILL RES, METAL FILL</resistor>	220 560 39 330 M 1K M 1K M 1K	5% 5% 5% 5%	1/4W 1/2W 1/2W
*5902	* A-1342-476-A 4-382-854-11	**************** VM1 BOARD MO *************** SCREW (M3X10), <capacitor></capacitor>	**************************************			Q5908 Q5909 R5901 R5902 R5903 R5904 R5905 R5906 R5907 R5908	8-729-139-96 8-729-139-96 1-220-951-91 1-249-414-11 1-247-734-11 1-220-952-91 1-220-958-91 1-220-958-91 1-220-958-91 1-249-383-11	TRANSISTOR 2S TRANSISTOR 2S <resistor> METAL CARBON CARBON METAL MELF RES, METAL FILL RES, METAL FILL RES, METAL FILL CARBON</resistor>	220 560 39 330 M 1K M 1K M 1K 1.5	5% 5% 5% 5% 5%	1/4W 1/2W 1/2W
* 5902 5903	**************************************	VM1 BOARD MO *************** SCREW (M3X10), <capacitor> ELECT</capacitor>	**************************************	20.009	% 16V	Q5908 Q5909 R5901 R5902 R5903 R5904 R5905 R5906 R5907 R5908 R5909	8-729-139-96 8-729-139-96 1-220-951-91 1-249-414-11 1-247-734-11 1-220-958-91 1-220-958-91 1-220-958-91 1-249-383-11 1-220-951-91	TRANSISTOR 2S TRANSISTOR 2S <resistor> METAL CARBON CARBON METAL MELF RES, METAL FILL RES, METAL FILL CARBON METAL ALL METAL METAL FILL MES, METAL FILL CARBON METAL</resistor>	220 560 39 330 M 1K M 1K M 1K 1.5 220	5% 5% 5% 5% 5%	1/4W 1/2W 1/2W 1/4W 1/2W
* 25902 25903 25905	* A-1342-476-A 4-382-854-11 1-104-661-91 1-161-830-00	VM1 BOARD MO ************** SCREW (M3X10), <capacitor> ELECT CERAMIC</capacitor>	*********** UNTED ******* P, SW (+) 330UF 0.0047UF	20.009	% 16V 500V	Q5908 Q5909 R5901 R5902 R5903 R5904 R5905 R5906 R5907 R5908	8-729-139-96 8-729-139-96 1-220-951-91 1-249-414-11 1-247-734-11 1-220-952-91 1-220-958-91 1-220-958-91 1-220-958-91 1-249-383-11	TRANSISTOR 2S TRANSISTOR 2S <resistor> METAL CARBON CARBON METAL MELF RES, METAL FILL RES, METAL FILL RES, METAL FILL CARBON</resistor>	220 560 39 330 M 1K M 1K M 1K 1.5	5% 5% 5% 5% 5%	1/4W 1/2W 1/2W
* 25902 25903 25905 25906	* A-1342-476-A 4-382-854-11 1-104-661-91 1-161-830-00 1-126-925-11	************ VMI BOARD MO ************ SCREW (M3X10), <capacitor> ELECT CERAMIC ELECT</capacitor>	*********** UNTED ****** P, SW (+) 330UF 0.0047UF 470UF	20.009 20.009 5.00%	% 16V 500V % 10V	Q5908 Q5909 R5901 R5902 R5903 R5904 R5905 R5906 R5907 R5908 R5909	8-729-139-96 8-729-139-96 1-220-951-91 1-249-414-11 1-247-734-11 1-220-958-91 1-220-958-91 1-220-958-91 1-249-383-11 1-220-951-91	TRANSISTOR 2S TRANSISTOR 2S <resistor> METAL CARBON CARBON METAL MELF RES, METAL FILL RES, METAL FILL CARBON METAL ALL METAL METAL FILL MES, METAL FILL CARBON METAL</resistor>	220 560 39 330 M 1K M 1K M 1K 1.5 220	5% 5% 5% 5% 5%	1/4W 1/2W 1/2W 1/4W 1/2W
* 25902 25903 25905 25906	* A-1342-476-A 4-382-854-11 1-104-661-91 1-161-830-00 1-126-925-11 1-130-491-00	VMI BOARD MO ************** SCREW (M3X10), <capacitor> ELECT CERAMIC ELECT MYLAR</capacitor>	*********** UNTED ****** P, SW (+) 330UF 0.0047UF 470UF 0.047UF	20.009 20.009 5.00%	% 16V 500V % 10V 50V	Q5908 Q5909 R5901 R5902 R5903 R5904 R5905 R5906 R5907 R5908 R5909	8-729-139-96 8-729-139-96 1-220-951-91 1-249-414-11 1-247-734-11 1-220-958-91 1-220-958-91 1-220-958-91 1-249-383-11 1-220-951-91	TRANSISTOR 2S TRANSISTOR 2S <resistor> METAL CARBON CARBON METAL MELF RES, METAL FILL RES, METAL FILL CARBON METAL ALL METAL METAL FILL MES, METAL FILL CARBON METAL</resistor>	220 560 39 330 M 1K M 1K M 1K 1.5 220	5% 5% 5% 5% 5%	1/4W 1/2W 1/2W 1/4W 1/2W
** 25902 25903 25905 25906 25907	**************************************	VMI BOARD MO *************** SCREW (M3X10), <capacitor> ELECT CERAMIC ELECT MYLAR ELECT</capacitor>	************ UNTED ******* P, SW (+) 330UF 0.0047UF 470UF 0.047UF 33UF	20.009 20.009 5.00% 20.009	% 16V 500V % 10V 50V % 160V	Q5908 Q5909 R5901 R5902 R5903 R5904 R5905 R5906 R5907 R5908 R5909 R5910	8-729-139-96 8-729-139-96 1-220-951-91 1-249-414-11 1-247-734-11 1-220-952-91 1-220-958-91 1-220-958-91 1-249-383-11 1-220-951-91 1-220-946-81	TRANSISTOR 2S TRANSISTOR 2S TRANSISTOR 2S <resistor> METAL CARBON CARBON METAL MELF RES, METAL FILL RES, METAL FILL CARBON METAL METAL MELF</resistor>	220 560 39 330 M 1K M 1K M 1K 1.5 220 68	5% 5% 5% 5% 5% 5%	1/4W 1/2W 1/2W 1/4W 1/2W 1/2W
** 25902 25903 25905 25906 25907 25908	**************************************	VMI BOARD MO *************** SCREW (M3X10), <capacitor> ELECT CERAMIC ELECT MYLAR ELECT MYLAR ELECT MYLAR</capacitor>	**************************************	20.009 20.009 5.00% 20.009	% 16V 500V % 10V 50V % 160V	R5901 R5902 R5903 R5904 R5905 R5906 R5907 R5908 R5909 R5910	8-729-139-96 8-729-139-96 1-220-951-91 1-249-414-11 1-247-734-11 1-220-952-91 1-220-958-91 1-220-958-91 1-220-958-91 1-249-383-11 1-220-946-81 1-249-439-11 1-220-975-91	TRANSISTOR 2S TRANSISTOR 2S TRANSISTOR 2S <resistor> METAL CARBON CARBON METAL MELF RES, METAL FILL RES, METAL FILL CARBON METAL METAL MELF CARBON METAL METAL MELF CARBON METAL MELF</resistor>	220 560 39 330 M 1K M 1K M 1K 1.5 220 68 68K 47K	5% 5% 5% 5% 5% 5% 5%	1/4W 1/2W 1/2W 1/2W 1/2W 1/2W 1/4W 1/2W
** 25902 25903 25905 25906 25907 25908 25909	**************************************	VMI BOARD MO *************** SCREW (M3X10), <capacitor> ELECT CERAMIC ELECT MYLAR ELECT MYLAR ELECT MYLAR ELECT</capacitor>	**************************************	20.009 20.009 5.00% 20.009 10.009 20.009	% 16V 500V % 10V 50V % 160V % 200V % 16V	R5901 R5902 R5903 R5904 R5905 R5906 R5907 R5908 R5909 R5910 R5911 R5912 R5914	8-729-139-96 8-729-139-96 1-220-951-91 1-249-414-11 1-247-734-11 1-220-958-91 1-220-958-91 1-220-958-91 1-249-383-11 1-220-946-81 1-249-439-11 1-220-975-91 1-220-946-81	TRANSISTOR 2S TRANSISTOR 2S TRANSISTOR 2S <resistor> METAL CARBON CARBON METAL MELF RES, METAL FILL RES, METAL FILL CARBON METAL METAL MELF CARBON METAL METAL MELF METAL MELF METAL MELF</resistor>	220 560 39 330 M 1K M 1K 1.5 220 68 68K 47K 68	5% 5% 5% 5% 5% 5% 5% 5%	1/4W 1/2W 1/2W 1/4W 1/2W 1/4W 1/2W 1/2W
5902 5903 5905 5906 5907 5908 5909 5910	**************************************	VMI BOARD MO *************** SCREW (M3X10), <capacitor> ELECT CERAMIC ELECT MYLAR ELECT MYLAR ELECT MYLAR ELECT MYLAR ELECT MYLAR</capacitor>	**************************************	20.009 20.009 5.00% 20.009 10.009 20.009 5.00%	% 16V 500V % 10V 50V % 160V % 200V % 16V 50V	R5901 R5902 R5903 R5904 R5905 R5906 R5907 R5908 R5909 R5910 R5911 R5912 R5914 R5915	8-729-139-96 8-729-139-96 1-220-951-91 1-249-414-11 1-247-734-11 1-220-958-91 1-220-958-91 1-220-958-91 1-220-958-91 1-220-951-91 1-220-946-81 1-249-439-11 1-220-975-91 1-220-946-81 1-220-946-81 1-220-969-91	TRANSISTOR 2S TRANSISTOR 2S TRANSISTOR 2S <resistor> METAL CARBON CARBON METAL MELF RES, METAL FILL RES, METAL FILL RES, METAL FILL CARBON METAL METAL MELF CARBON METAL MELF METAL MELF METAL MELF METAL MELF METAL MELF</resistor>	220 560 39 330 M 1K M 1K 1.5 220 68 68K 47K 68 10K	5% 5% 5% 5% 5% 5% 5% 5% 5%	1/4W 1/2W 1/2W 1/2W 1/4W 1/2W 1/4W 1/2W 1/2W 1/2W
** 25902 25903 25905 25906 25907 25908 25909 25910 25911	**************************************	VMI BOARD MO ***************** SCREW (M3X10), <capacitor> ELECT CERAMIC ELECT MYLAR ELECT MYLAR ELECT MYLAR ELECT MYLAR ELECT MYLAR ELECT</capacitor>	**************************************	20.009 20.009 5.00% 20.009 10.009 20.009 5.00% 20.009	% 16V 500V % 10V 50V % 160V % 200V % 16V 50V % 160V	R5901 R5902 R5903 R5904 R5905 R5906 R5907 R5908 R5909 R5910 R5911 R5912 R5914	8-729-139-96 8-729-139-96 1-220-951-91 1-249-414-11 1-247-734-11 1-220-958-91 1-220-958-91 1-220-958-91 1-249-383-11 1-220-946-81 1-249-439-11 1-220-975-91 1-220-946-81	TRANSISTOR 2S TRANSISTOR 2S TRANSISTOR 2S <resistor> METAL CARBON CARBON METAL MELF RES, METAL FILL RES, METAL FILL CARBON METAL METAL MELF CARBON METAL METAL MELF METAL MELF METAL MELF</resistor>	220 560 39 330 M 1K M 1K 1.5 220 68 68K 47K 68	5% 5% 5% 5% 5% 5% 5% 5%	1/4W 1/2W 1/2W 1/4W 1/2W 1/4W 1/2W 1/2W
	**************************************	VMI BOARD MO *************** SCREW (M3X10), <capacitor> ELECT CERAMIC ELECT MYLAR ELECT MYLAR ELECT MYLAR ELECT MYLAR ELECT MYLAR</capacitor>	**************************************	20.009 20.009 5.00% 20.009 10.009 20.009 5.00% 20.009	% 16V 500V % 10V 50V % 160V % 200V % 16V 50V	R5901 R5902 R5903 R5904 R5905 R5906 R5907 R5908 R5909 R5910 R5911 R5912 R5914 R5915	8-729-139-96 8-729-139-96 1-220-951-91 1-249-414-11 1-247-734-11 1-220-958-91 1-220-958-91 1-220-958-91 1-220-958-91 1-220-951-91 1-220-946-81 1-249-439-11 1-220-975-91 1-220-946-81 1-220-946-81 1-220-969-91	TRANSISTOR 2S TRANSISTOR 2S TRANSISTOR 2S <resistor> METAL CARBON CARBON METAL MELF RES, METAL FILL RES, METAL FILL RES, METAL FILL CARBON METAL METAL MELF CARBON METAL MELF METAL MELF METAL MELF METAL MELF METAL MELF</resistor>	220 560 39 330 M 1K M 1K 1.5 220 68 68K 47K 68 10K	5% 5% 5% 5% 5% 5% 5% 5% 5%	1/4W 1/2W 1/2W 1/4W 1/2W 1/2W 1/2W 1/2W 1/2W



REF.NO.	PART NO.	DESCRIPTION			REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
R5919	1-249-417-11	CARBON	1K	5%	1/4W			SSORIES AND PACKING MATERIALS	
R5920	1-249-439-11	CARBON	68K	5%	1/4W		****	***********	
R5921	1-216-476-11	METAL OXIDE	180	5%	3W				
R5922	1-220-955-91	METAL MELF	560	5%	1/2W		3-701-910-00	SCREW, SPECIAL (DIA. 3.8X20)	
R5923	1-249-383-11	CARBON	1.5	5%	1/4W		3-865-956-11	MANUAL INSTRUCTION	
R5925	1-249-400-11	CARBON	39	5%	1/4W	*	4-065-594-01	BAG, PROTECTION	
R5929	1-215-880-00	METAL OXIDE	10	5%	2W	*	4-069-322-02	INDIVIDUAL CARTON	
R5930	1-220-954-91	METAL MELF	470	5%	1/2W	*	4-069-323-01	CUSHION (UPPER)(ASSY)	
R5931	1-220-954-91	METAL MELF	470	5%	1/2W	*	4-069-324-01	CUSHION (LOWER)(ASSY)	
R5932	1-220-954-91	METAL MELF	470	5%	1/2W		4-392-003-31	BAND, HOLD	
R5933	1-220-954-91	METAL MELF	470	5%	1/2W		4-392-004-21	CLIP	
R5934	1-220-970-91	METAL MELF	12K	5%	1/2W				
R5935	1-220-969-91	METAL CHIP	10K	5%	1/2W				
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MISCELLANEOUS

△ 1-403-619-81	COIL, DEMAGNETIZATION
△ 1-451-475-11	DEFLECTION YOKE (Y25RSA)
1-452-094-00	CIRCULAR DISC MAGNET B
1-452-032-00	MAGNET,DISC
1-452-896-61	COIL, NA ROTATION (RT-200)
1-503-902-11	SPEAKER (15X6.5 CM)
1-529-190-11	SPEAKER (5CM)
△ 1-574-062-61	CORD, POWER (WITH CONNECTOR) 2.5A/250V
△ 8-733-250-05	PICTURE TUBE (A60LPN70X)

8-453-011-21 NA299-S

1-418-038-11 REMOTE COMMANDER (RM-954) 9-933-895-01 BATTERY COVER, REMOTE COMMANDER